Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: Titan Tire Corporation
Facility Location: 2345 East Market Street
Des Moines, Iowa 50317
Air Quality Operating Permit Number: 02-TV-013-M001
Expiration Date: May 28, 2007

EIQ Number: 92-6802
Facility File Number: 77-01-003

Responsible Official
Name: Mr. Jeff Kramer
Title: Operations Manager
Mailing Address: 2345 East Market Street
Des Moines, Iowa 50317
Phone #: (515) 265-9404

Permit Contact Person for the Facility
Name: Mr. Dan Buttars
Title: Safety and Environmental Coordinator
Mailing Address: 2345 East Market Street
Des Moines, Iowa 50317
Phone #: (515) 265-9200

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

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Douglas A. Campbell, Supervisor of Air Operating Permits Section Date

Table of Contents

Abbreviations

acfm……actual cubic feet per minute
AQD……...Polk County Public Works- Air Quality Division
CAS……....Chemical Abstract Service Registry
CFR……Code of Federal Regulation
^{o}F……degrees Fahrenheit
EIQ…….Emissions Inventory Questionnaire
EP……...Emission Point
EU……...Emission Unit
gr./dscf……grains per dry standard cubic foot
gr./ 100 cf……....grains per one hundred cubic feet
IAC…….Iowa Administrative Code
IDNR……..Iowa Department of Natural Resources
ISCST…….Industrial Source Complex Short Term Dispersion Model
MACT…….Maximum Achievable Control Technology
$\mu g/m^3$……..Micrograms per Cubic Meter
MM BTU/ Hr……..Million British Thermal Units per Hour
MMCF/ Hr……...Million Cubic Feet per Hour
MSDS…….Material Safety Data Sheet(s)
MVAC……Motor Vehicle Air Conditioner
N/A…….Not Applicable
NESHAP…….National Emission Standards for Hazardous Air Pollutants
NSPS……..New Source Performance Standard
ppmv……...…parts per million by volume
psia……..pounds per square inch absolute
PTE…….Potential To Emit
lb./hr……pounds per hour
lb./MMBtu……..pounds per Million British thermal units
RMA……...Rubber Manufacturer's Association
scfm…….standard cubic feet per minute
SIC……..Standard Industrial Classification
TPY…….Tons Per Year
USEPA……United States Environmental Protection Agency

Pollutants

PM……..Particulate Matter
PM_{10}……...Particulate Matter ten microns or less in diameter
SO_2…….Sulfur dioxide
NO_x…….Nitrogen Oxides
VOC(s)……Volatile Organic Compound(s)
CO……..Carbon Monoxide
HAP(s)……Hazardous Air Pollutant(s)
THC……Total HydroCarbons

I. Facility Description and Equipment List

Facility Name: **Titan Tire Corporation**
Permit Number: 02-TV-013-M01

Facility Description: Tire Manufacturing, SIC 3011

Equipment List

Emission Point Number	Associated Emission Unit Number(s)	Associated Emission Unit Description
1	122, 122A-E, 123, 123A-B, 124	#27D Banbury
2	002 125A	#27D Banbury: Rotary Cooling Drum #27D Banbury: Pellet Dip Mixing (Rubber PM)
3	121	#27D Banbury: Handweighing Chemicals
4	101, 103, 103A-D	#1 Banbury
5	102, 104, 104A-D	#2 Banbury
6	110, 111, 111A-C, 111R	#4 Banbury
7	114, 116, 116A-C, 116R, 117, 119, 119A, 127D	#5 Banbury
8	115, 127, 127A-C, 127R	#6 Banbury
10	917 918	#5 Banbury: Pellet Charging #6 Banbury: Pellet Charging
12	201-205 301-306	#3 Extruder: Breakdown Mill, Feed Mill, & Rubber Extrusion L Calendar: Breakdown Mill, Feed Mill, & Roll Calendars
15	208	#6 Extruder Undertread Cement Applicator
17	405	Bead Dipping Drying Station Adhesive Applicator
17A	406	Bead Dipping Drying Station Adhesive Applicator
20	558 919	Spray Booth, Small Tractor, Bldg. 22 Spray Booth, Passenger Light Truck, Automatic, Bldg. 22
23	556 556A	Spray Booth, Bias Tractor - Inside Spraying, Bldg. 3 Spray Booth, Bias Tractor – Outside Spraying, Bldg. 3
24	567 607 608 608A	Curing Presses (21), Bldg. 8 (#544-549, 551-565) Curing Press, Bag-O-Matic 75” (1), Bldg. 8 (#566) Curing Press, McNeil Akron 100” (1), Bldg. 8 Annex (#567) Curing Presses (6), Bldg. 8 (#538- 543)
25	603 603A 604 604A	Curing Presses, McNeil, Bldg. 2, (3) 55” Dual (#667- 672), (4) 60” Dual (#649- 656) Curing Presses, (2) 63.5” McNeil Dual Cavity, Bldg. 2 (#659- 662) Curing Press, NRM 62” Dual, Bldg. 2, (#665- 666) Curing Press, NRM 62” Dual, Bldg. 2, (#657- 658)

Emission Point Number	Associated Emission Unit Number(s)	Associated Emission Unit Description
26	606	Curing Presses, Bldg. 5, (8) McNeil Duals (# 615- 630), (27) Singles (#505- 531)
	606S	Curing Press, McNeil (1- 55") Dual Cavity, Bldg. 2, (#613- 614)
	606A	Curing Presses (5), McNeil, Bldg. 3 (#501- 504, 535)
	606B	Curing Presses (2), McNeil, Bldg. 3 (#536- 537)
27	602A	Curing Presses, McNeil/ NRM Dual, Bldg. 22, (14) (#275- 302), (16) (#307- 338), (7) (#339- 352), (3) (#355- 360), (7) (#361- 374), and (1) (#393- 394)
	602B	Curing Presses, McNeil/ NRM Dual, Bldg. 22, (14) (#175- 202), (9) (#243- 260), and (3) (#269- 274)
	615-618, 634	McNeil 75" Tire Curing Presses #701-704, 753
	619-620, 635-636	McNeil 85" Tire Curing Presses #751-752, 754-755
	621-632	McNeil 63.5" Tire Curing Presses #151-174
	633	Bolshevik 100" Tire Curing Press #705
28	711	Tractor Tire Buffing and Repair Booth, Bldg. 12
29	712	Passenger Tire Buffing and Repair Station, Bldg. 22
34A	710	Tire Optimizing Machine #10
34C	554	Tractor Tire Repair Booth, Bldg. 18
35	913, 913A-D	Tire Mold Repair Welding Booths
36	826	Tire Mold Cleaning Station
38	820	Boiler #1, 18.39 MM BTU/ Hr.
	821	Boiler #2, 18.39 MM BTU/ Hr.
39	822	Boiler #3, 43.88 MM BTU/ Hr.
40	823	Boiler #4, 31.34 MM BTU/ Hr.
41	007, 008	Slab Dip Mixers
42	009, 010	Tread Cement Mixing Tanks #1 & #2
	011	Bead Cement Mixing
	012	Tread Cement Holding Tank
43	105	#1 and #2 Banbury Drop Mills
45	111D	#4 Banbury 36" Shaping Mill
	111E	#4 Banbury Slab Dip Backside Spray
	221	#8 Rubber Extruder
46	106	#1 and #2 Banbury Shaping Mills
47	001	Carbon Black Unloading Station
50	825	Rubber Hot Rooms (5), each with 150,000 BTU Natural Gas Furnaces (5)
51	210-215, 218-219	#7 Extruder

Emission Point Number	Associated Emission Unit Number(s)	Associated Emission Unit Description
52	206, 209	#6 Extruder
	307-313	Adamson Z Calendar: Breakdown, Holding & Feed Mills/4 Roll Calendar
		Tire Assembly Machines –
	501	Cooper Tire Model CR2 Conversion Mod 80 (#15)
	502	Cooper Tire Model Conversion (#17)
	504-510	NRM Model 80S (#'s 13, 14, 16, 19–22)
	515-520	NRM Model 53 (#'s 27-31, 33)
	521-523	NRM Model 60 (#'s 55, 64, & 72)
	524-525	NRM Model C1519 (#'s 35 & 36)
	526-527	NRM Model 80W (#'s 39 & 40)
	563, 574-577	NRM Model 95
	564 & 570	NRM Model 95 - Building 22 (#431, 432)
	511, 568, &569	NRM Model 610 (# 441, 419, & 417)
	503 & 578	Han Kook Model 3255 (#437-438)
	579	NRM Model 80 (#23)
	500, 512-514, 580-581	NRM Model 89 (#'s 25-26, 37-38, 41-42)
	587	Tire Assembly System with Extruder, 2 Stripwinders & 1 Spraybooth
	589	Tire Assembly System with Extruder, 2 Stripwinders & 1 Spraybooth
	596	Upstairs Tire Spraybooth
53		Tire Assembly Machines -
	528-533	NRM Model 75 (#'s 1-3, 12-14)
	559, 561-562	NRM Model 59 (#'s 5-6, 11)
	571-572	NRM Model 89 (#'s 7-8)
	584-585	NRM Model 59H (#'s 9-10)
54		Tire Assembly Machines -
	534-536, 538, 540-541, 545-550, 565, & 566A	NRM Model 61 (#'s 401-406, 408-412, 414-416)
	573	NRM Model 61C (#413)
	537	Akron Standard Model 336 (#420)
	539	NRM Model 40 (# 407)
	566	NRM Model 610 (#418)
	542	Tire Assembly System with Extruder, Stripwinders (2), & Spraybooth (1)
	543	Tire Assembly System with Extruder, Stripwinders (2), & Spraybooths (2)
	552	Tire Assembly System with Extruder, Stripwinders (2), & Spraybooth (1)
55	126	Rubber Pellet Storage
56	401	Royle 2 Bead Former 1
	402	NRM Bead Former 5
	403	Royle 2 Bead Former 6
	404	Solvent Wash of Bead Filler
	407	Bead Former #7, NRM 2 ½ Rubber Extruder 22.1 L/D
57	818	Inert Gas Boiler #5, 2.51 MM BTU/ Hr.
59	819	Inert Gas Boiler #6, 2.51 MM BTU/ Hr.
61	904	30,000 Gallon Fixed Roof Heptol Storage Tank
62	908	15,000 Gallon Fixed Roof Dustene Storage Tank
63	907	15,000 Gallon Fixed Roof Hardite Storage Tank

Insignificant Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
207	Marking Applicator Number 6 Extuder
216	Marking Applicator Number 7 Extruder
217	Marking Applicator Number 7 Extruder
222	Zinc Stearate Applicator (dry powder additive)
225	Slab Dip Applicator #6 Extruder Recycler
314	Marking Applicator Z Calendar
315	Marking Applicator Z Calendar
801	Mill Room Safety Kleen Station: 30 gallon capacity
802	Building 9, 3rd Floor Safety Kleen Station: 9 gallon capacity
803	Tire Room Safety Kleen Station: 30 gallon capacity
804	Powerhouse Safety Kleen Station: 9 gallon capacity
805	Valve Shop Safety Kleen Station: 9 gallon capacity
806	Building 28, 1st Floor Safety Kleen Station: 9 gallon capacity
807	Building 22, 1st Floor Safety Kleen Station: 9 gallon capacity
901	Tomene Storage Tank: 12,000 gallon capacity
902	Tomene Storage Tank: 12,000 gallon capacity
903	Tomene Storage Tank: 12,000 gallon capacity
905	#6 Fuel Oil Storage Tanks (2): 187,000 gallon capacity
906	Winene Storage Tank: 20,000 gallon capacity

II. Plant-Wide Conditions

Facility Name: Titan Tire Corporation
Permit Number: 02-TV-013-M01

Permit conditions are established in accord with 567 Iowa Administrative Code Rule 22.108

Permit Duration

The term of this permit is: Five (5) years
Commencing on: May 28, 2002
Ending on: May 28, 2007

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code Rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Plant-Wide Limits:

I) Plant wide limit of 150,000,000 pounds of rubber processed in the facility per twelve (12) month rolling period. Twelve month rolling records of rubber processed in the facility shall be maintained on site for five (5) years and be made available to the representatives of Polk County AQD upon request.

Authority for Requirement: Polk County Construction Permit 0578 MODIFIED

II) Plant wide limit of the following amounts and maximum percent constituents of materials processed in the facility per twelve (12) month rolling period. Twelve month rolling records of each material processed in the facility shall be maintained on site for five (5) years and be made available to the representatives of Polk County AQD upon request.

a.) Tread Cement: (91 weight % VOC, 0% HAP): 85,374 lbs./ 12- month period
b.) Tire Wash Solvent: (100% VOC, 0% HAP): 813,527 lbs./ 12- month period
c.) Breakdown Solvent: (100% VOC, 4 weight% Methanol, <1 weight% MIBK): 2,766 lbs./ 12- month period
d.) Drum Cement: (83 volume% VOC, 83 volume % Hexane): 2,080 lbs./ 12- month period

Authority for Requirement: PTE limits were requested by the applicant.
567 IAC 22.108(14)

Unless specified otherwise in the Emission Point Specific Conditions, the source is subject to the specified emission limit and supporting regulation:

Opacity (visible emissions): <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Opacity (visible emissions): 40% opacity
Authority for Requirement: 567 IAC 23.3(2)"d"

Sulfur Dioxide (SO_2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27

Particulate Matter: If the Polk County Health Officer determines that a process complying with the emission rates specified in Table 1 of Section 5-15 of Polk County Board of Health Rules and Regulations Chapter V is causing or will cause air pollution, the Polk County Health Officer will notify the source of such determination. Upon notification, the source shall not emit particulates in amounts greater than 0.10 grain per standard cubic foot of exhaust gas.
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Combustion for indirect heating: Inside any metropolitan statistical area, the maximum allowable emission from each stack, irrespective of stack height, shall be 0.6 pounds of particulates per million Btu input.
Authority for Requirement: 567 IAC 23.3(2)"b"(2)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-15(b)

Fugitive Dust: It shall be unlawful for any person handling, loading, unloading, reloading, storing, transferring, transporting, placing, depositing, throwing, discarding, or scattering any ashes, fly ash, cinders, slag or dust collected from any combination process, any dust, dirt, chaff, wastepaper, trash, rubbish, waste or refuse matter of any kind, or any other substance or material whatever, which is likely to be scattered by the wind, or is susceptible to being wind-borne, to do so without taking reasonable precautions or measures to prevent particulate matter from becoming airborne so as to minimize atmospheric pollution.
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-24

Compliance Plan
The owner/operator shall comply with the applicable requirements listed below. The compliance status is based on information provided by the applicant.

Unless otherwise noted in Section III of this permit, Titan Tire Corporation is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which become effective during the permit term, Titan Tire Corporation shall comply with such requirements in a timely manner.
Authority for Requirement: 567 IAC 22.108(15)

III. Emission Point-Specific Conditions

Facility Name: Titan Tire Corporation
Permit Number: **02-TV-013-M01**

Emission Point ID Number: 1

Associated Equipment

Associated Emission Unit ID Numbers: 122, 122A, 122B, 122C, 122D, 122E, 123, 123A, 123B, and 124
Emissions Control Equipment ID Number: CE-01
Emissions Control Equipment Description: Airtrol 435 AW12 Pulse-Air Baghouse

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Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
	(#27D Banbury Mixer):			
122	Carbon Black Loading	Carbon Black	6,688.5 lbs./ hr.	CE-01
122A	Chemical Loading	Chemicals	2,943.3 lbs./ hr.	CE-01
122B	Automatic Weighing Chemicals	Chemicals	1,471.7 lbs./ hr.	CE-01
122C	Charging Chute	Chemicals, Carbon Black	2,943.3 lbs./ hr.	CE-01
122D	Carbon Black Transfer	Carbon Black	6,637.2 lbs./ hr.	CE-01
122E	Rubber Mixing	Raw Rubber	17,123.3 lbs./ hr.	CE-01
123	Pelletizing	Rubber- VOCs	17,123.3 lbs./ hr.	CE-01
123A	Pelletizing	Rubber- Carbon Black	6,688.5 lbs./ hr.	CE-01
123B	Pelletizing	Rubber- Chemicals	2,943.3 lbs./ hr.	CE-01
124	Pellet Dip/ Coating	Pellets/ Pellet Dip	33.40 lbs./ hr.	CE-01

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 0578 MODIFIED

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: PM_{10}
Emission Limits: 3.29 lbs/hr., 14.4 TPY, and 0.0214 grains/ scf.
Authority for Requirement: Polk County Construction Permit 0578 MODIFIED

Pollutant: VOC
Emission Limits: 7.90 lbs/hr. and 34.6 TPY
Authority for Requirement: Polk County Construction Permit 0578 MODIFIED

Pollutant: HAPs (Combined) (Subset of VOCs)
Emission Limits: 2.70 lbs/hr. and 11.8 TPY
Authority for Requirement: Polk County Construction Permit 0578 MODIFIED

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: Plant wide limit of 150,000,000 pounds of rubber processed in the facility per twelve (12) month rolling period. Twelve month rolling records of rubber processed in the facility shall be maintained on site for five (5) years and be made available to the representatives of Polk County AQD upon request.
Control equipment parameters: The Airtrol 435 AW12 Pulse-Air Baghouse on #27D Banbury Mixer shall be thoroughly inspected and maintained semi-annually, at a minimum. Records showing the date, time, inspector's name, and any action(s) taken will be recorded in a log book, be maintained on site for five (5) years, and be made available to the representatives of Polk County AQD upon request.
Work practice standards: Routine Periodic Inspection.
Authority for Requirement: Polk County Construction Permit 0578 MODIFIED

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM_{10}
Stack Test Completed on- May 17, 2001
Test Method - 40 CFR Part 51, Appendix M, Method 202 in conjunction with a Method 201 A test.
Authority for Requirement - Polk County Construction Permit 0578 MODIFIED

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

EP 1 shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken while #27D Banbury Mixer is operating. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If an opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 2

Associated Equipment

Associated Emission Unit ID Numbers: 002 and 125A
Emissions Control Equipment ID Number: CE-02
Emissions Control Equipment Description: Airtrol 360AW-10 Baghouse

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
	(Pellet Dip Mixing & Cooling):			
002	#27D Banbury Rotary Cooling Drum	Tire Assembly Spray	108.5 lbs./ hr.	CE-02
125A	Pellet Dip Mixing (Rubber PM)	PM from Pellet Dip	108.4 lbs./ hr.	CE-02

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limits: 0.825 lbs/hr., 3.61 TPY, and 0.10 grains/ dscf.
Authority for Requirement: Polk County Construction Permit 0547
567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM
Stack Test to be Completed by- March 1, 2004
Test Method - Iowa Method 5- Particulate
Authority for Requirement - 567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 3

Applicable Requirements

Emission Unit vented through this Emission Point: 121
Emission Unit Description: #27D Banbury: Handweighing Chemicals
Raw Material/Fuel: Chemicals
Rated Capacity: 1,471.70 lbs./ hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 4

Associated Equipment

Associated Emission Unit ID Numbers: 101, 103, 103A, 103B, 103C, and 103D
Emissions Control Equipment ID Number: CE-04
Emissions Control Equipment Description: Micropeel Baghouse, Model 1005-8-20

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
	(#1 Banbury Mixer):			
101	Handweighing Chemicals	Chemicals (PM)	210.6 lbs./ hr.	CE-04
103	Rubber Mixing (VOC)	Master Rubber (VOC)	17,123.3 lbs./ hr.	CE-04
103A	Automatic Weighing Chemicals	Chemicals (PM)	852.9 lbs./ hr.	CE-04
103B	Charging Chute	Chemicals, Carbon Black (PM)	1,063.5 lbs./ hr.	CE-04
103C	Carbon Black Loading	Carbon Black	1,253.4 lbs./ hr.	CE-04
103D	Chemical Loading	Chemicals	1,063.5 lbs./ hr.	CE-04

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 1386

Pollutant: PM
Emission Limit: 6.831 lbs/hr., 29.92 TPY, and 0.10 gr./ dscf
Authority for Requirement: Polk County Construction Permit 1386
567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: VOC/ HAP
Emission Limits: 7.53 lbs/hr. and 33.3 TPY
Authority for Requirement: Polk County Construction Permit 1386

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: The emissions from this process and it's emission units is included in the 150,000,000 lb throughput limit as required by Polk County Construction Permit #0578 (Modified).
Work practice standards: Routine Periodic Inspection.
Authority for Requirement: Polk County Construction Permit 1386

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM
Stack Test to be Completed by- June 1, 2002
Test Method - Iowa Method 5- Particulate
Authority for Requirement – Polk County Construction Permit 1386
567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment:

I. Identification of Pollutant Specific Emission Unit

Name of Unit: #1 Banbury Mixer

1. Emission Units included: (EP 4 / CE-04 / EU's 101, 103, 103 A-D)
2. Control Technology: Particulate Control: Dust Collector
3. Applicable Requirement: 0.10 gr./dscf

II. Monitoring Methods:

A. The following parameters will be monitored daily (every 24 hours) on days of operation:
   1. Differential pressure drop over the baghouse (magnehelic gauge reading)
   2. Visible emissions from the scavenger system ductwork and solids handling equipment on roof
   3. Visible emissions from the baghouse exhaust (EP 4)

B. The following parameters will be monitored weekly:

1. The baghouse, associated components, and ductwork inspected for leaking dust, holes, corrosion, and audible air leaks.

III. Performance Criteria (PC) and Corrective Action (CA)

A. Differential Pressure

(PC) Differential pressure drop over the baghouse should not exceed 9 inches water at the gauge reading.

(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 72 hours of discovery.

B. Scavenger System

(PC) There should be no visible emissions from the scavenger system ductwork and solids handling equipment on roof.

(CA) Corrective action and clean up will be taken within 8 hours of discovery.

C. Exhaust

(PC) There should be no visible emissions from the baghouse exhaust.

(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 8 hours of discovery.

D. Entire System

(PC) The baghouse, associated components, and ductwork should not have holes or corrosion; nor should it leak dust or have audible air leaks.

(CA) Corrective action will be taken within 7 days of discovery.

IV. Record Keeping

The following records will be maintained on site for a minimum of five (5) years and will be available to representatives of Polk County AQD upon request to demonstrate on-going compliance:

A. A daily inspections log will track the

1. Differential pressure gauge readings
2. Lack of visible emissions from the exhaust
3. Lack of visible leaks from the scavenger system and solids handling equipment on the roof.
4. Any corrective actions taken.
5. Date and time of inspection.
6. Inspector's signature.

B. A weekly inspection log will track the inspection of the baghouse, associated components, and ductwork for lack of leaks, holes, corrosion, and audible air leaks.

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 5

Associated Equipment

Associated Emission Unit ID Numbers: 102, 104, 104A, 104B, 104C, and 104D
Emissions Control Equipment ID Number: CE-05
Emissions Control Equipment Description: Mikro Pulsaire 238 STRH-12-20 Baghouse

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
	(#2 Banbury Mixer):			
102	Handweighing Chemicals	Chemicals (PM)	210.6 lbs./ hr.	CE-05
104	Rubber Mixing (VOC)	Master Rubber (VOC)	17,123.3 lbs./ hr.	CE-05
104A	Automatic Weighing Chemicals	Chemicals (PM)	852.9 lbs./ hr.	CE-05
104B	Charging Chute	Chemicals, Carbon Black (PM)	1,253.4 lbs./ hr.	CE-05
104C	Carbon Black Loading	Carbon Black	1,253.4 lbs./ hr.	CE-05
104D	Chemical Loading	Chemicals	1,063.5 lbs./ hr.	CE-05

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 0558A

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: PM_{10}
Emission Limits: 8.71 lbs/hr., 38.15 TPY, and 0.10 grains/ scf.
Authority for Requirement: Polk County Construction Permit 0558A

Pollutant: VOC
Emission Limits: 7.60 lbs/hr. and 33.30 TPY
Authority for Requirement: Polk County Construction Permit 0558A

Pollutant: HAPs (Combined)
Emission Limits: 2.40 lbs/hr. and 10.50 TPY
Authority for Requirement: Polk County Construction Permit 0558A

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: Facility wide limit on rubber utilized is 150,000,000 pounds per twelve month rolling period.
Work practice standards: Routine Periodic Inspection.
Reporting & Record keeping: Twelve month rolling records of rubber processed in the facility shall be maintained on site for five years and be made available to representatives of Polk County Air Quality Division upon request.
Authority for Requirement: Polk County Construction Permit 0558A

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM_{10}
Stack Test to be Completed by- March 1, 2004
Test Method - 40 CFR Part 51, Appendix M, Method 202 in conjunction with a Method 201 A test.
Authority for Requirement - 567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

EP 5 shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken while #2 Banbury Mixer is operating. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If an opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 6

Associated Equipment

Associated Emission Unit ID Numbers: 110, 111, 111A, 111B, 111C, and 111R
Emissions Control Equipment ID Number: CE-06
Emissions Control Equipment Description: Airtrol Pulse Type Baghouse, Model 221 AW12

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
	(#4 Banbury Mixer):			
110	Handweighing Chemicals	Chemicals (PM_{10})	210.6 lbs./ hr.	CE-06
111	Rubber Mixing (Chemical Load)	Chemicals, Carbon Black	1,063.5 lbs./ hr.	CE-06
111	Rubber Mixing	Master Rubber (VOC)	17,123.3 lbs./ hr.	CE-06
111A	Automatic Weighing Chemicals	Chemicals (PM_{10})	852.6 lbs./ hr.	CE-06
111B	Charging Chute	Chemicals (PM_{10})	1,063.5 lbs./ hr.	CE-06
111C	Rubber Milling	Final Rubber (Chemicals)	1,063.5 lbs./ hr.	CE-06
111R	Rubber Milling	Final Rubber (VOC)	17,123.3 lbs./ hr.	CE-06

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 0682

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: PM_{10}
Emission Limits: 4.32 lbs/hr., 18.92 TPY, and 0.05 grains/ dscf.
Authority for Requirement: Polk County Construction Permit 0682

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control equipment parameters: Pressure drop, (as measured by the Magnehelic Gauge), across the collector, (CE-06), of approximately 10 inches of water shall indicate the need for maintenance.
Work practice standards: The applicant shall provide, properly install, and maintain in calibration and good working order instruments for determining pressure drop across the baghouse.
Reporting & Record keeping: A daily log shall be maintained on site and shall be made available to members of Polk County AQD upon request. Daily visual inspection shall be conducted and results logged.
Authority for Requirement: Polk County Construction Permit 0682

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM_{10}
Stack Test to be Completed by- March 1, 2004
Test Method - 40 CFR Part 51, Appendix M, Method 202 in conjunction with a Method 201 A test.
Authority for Requirement - 567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment:

I. Identification of Pollutant Specific Emission Unit

Name of Unit: #4 Banbury Mixer

1. Emission Units included: (EP 6 / CE-06 / EU's 110, 111, 111 A-C, 111 R)
2. Control Technology: Particulate Control: Dust Collector
3. Applicable Requirement: 0.05 grains/ dscf

II. Monitoring Methods:

A. The following parameters will be monitored daily (every 24 hours) on days of operation:
1. Differential pressure drop over the baghouse (magnehelic gauge reading)
2. Visible emissions from the scavenger system ductwork and solids handling equipment on roof
3. Visible emissions from the baghouse exhaust (EP 6)

B. The following parameters will be monitored weekly:
1. The baghouse, associated components, and ductwork inspected for leaking dust, holes, corrosion, and audible air leaks.

III. Performance Criteria (PC) and Corrective Action (CA)

A. Differential Pressure
(PC) Differential pressure drop over the baghouse should not exceed 9 inches water at the gauge reading.
(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 72 hours of discovery.

B. Scavenger System
(PC) There should be no visible emissions from the scavenger system ductwork and solids handling equipment on roof.
(CA) Corrective action and clean up will be taken within 8 hours of discovery.

C. Exhaust
(PC) There should be no visible emissions from the baghouse exhaust.
(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 8 hours of discovery.

D. Entire System
(PC) The baghouse, associated components, and ductwork should not have holes or corrosion; nor should it leak dust or have audible air leaks.
(CA) Corrective action will be taken within 7 days of discovery.

IV. Record Keeping

The following records will be maintained on site for a minimum of five (5) years and will be available to representatives of Polk County AQD upon request to demonstrate on-going compliance:

A. A daily inspections log will track the

1. Differential pressure gauge readings
2. Lack of visible emissions from the exhaust
3. Lack of visible leaks from the scavenger system and solids handling equipment on the roof.
4. Any corrective actions taken.
5. Date and time of inspection.
6. Inspector's signature.

B. A weekly inspection log will track the inspection of the baghouse, associated components, and ductwork for lack of leaks, holes, corrosion, and audible air leaks.

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 7

Associated Equipment

Associated Emission Unit ID Numbers: 114, 116, 116A, 116B, 116C, 116R, 117, 119, 119A, and 127D
Emissions Control Equipment ID Number: CE-07
Emissions Control Equipment Description: Built Engineering Baghouse, Model GA14(540AM25)

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
	(#5 Banbury Mixer):			
114	Handweighing Chemicals	Chemicals (PM_{10})	210.6 lbs./ hr.	CE-07
116	Rubber Mixing (Chemical Load)	Chemicals, Carbon Black	1,063.5 lbs./ hr.	CE-07
116	Rubber Mixing	Master Rubber (VOC)	17,123.3 lbs./ hr.	CE-07
116A	Automatic Weighing Chemicals	Chemicals (PM_{10})	852.6 lbs./ hr.	CE-07
116B	Charging Chute	Chemicals, Carbon Black	1,063.5 lbs./ hr.	CE-07
116C	Rubber Milling (No Chemical)	Final Rubber (PM_{10})	1,063.5 lbs./ hr.	CE-07
116R	Rubber Milling, 84" Mill	Final Rubber (VOC)	17,123.3 lbs./ hr.	CE-07
117	Shaping Mill: Rubber Milling	Final Rubber (VOC)	17,123.3 lbs./ hr.	CE-07
119	Slab Dip Spraying	Slab Dip (VOC)	51.0 lbs./ hr.	CE-07
119A	Slab Dip Applications	Slab Dip (VOC)	8.46 lbs./ hr.	CE-07
127D	Rubber Milling, 36" Mill	Final Rubber (VOC)	8,512.5 lbs./ hr.	CE-07

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limits: 10.285 lbs/hr. and 0.10 gr./ scf
Authority for Requirement: Polk County Construction Permit 0619
567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM
Stack Test to be Completed by- March 1, 2004
Test Method - Iowa Method 5- Particulate
Authority for Requirement - 567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment:

I. Identification of Pollutant Specific Emission Unit

Name of Unit: #5 Banbury Mixer

1. Emission Units included: (EP 7 / CE-07 / EU's 114, 116, 116 A-C, 116 R, 117, 119, 119 A, 127 D)
2. Control Technology: Particulate Control: Dust Collector
3. Applicable Requirement: 0.10 gr/scf

II. Monitoring Methods:

A. The following parameters will be monitored daily (every 24 hours) on days of operation:
   1. Differential pressure drop over the baghouse (magnehelic gauge reading)
   2. Visible emissions from the scavenger system ductwork and solids handling equipment on roof
   3. Visible emissions from the baghouse exhaust (EP 7)

B. The following parameters will be monitored weekly:
   1. The baghouse, associated components, and ductwork inspected for leaking dust, holes, corrosion, and audible air leaks.

III. Performance Criteria (PC) and Corrective Action (CA)

A. Differential Pressure
(PC) Differential pressure drop over the baghouse should not exceed 9 inches water at the gauge reading.
(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 72 hours of discovery.

B. Scavenger System
(PC) There should be no visible emissions from the scavenger system ductwork and solids handling equipment on roof.
(CA) Corrective action and clean up will be taken within 8 hours of discovery.

C. Exhaust
(PC) There should be no visible emissions from the baghouse exhaust.
(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 8 hours of discovery.

D. Entire System
(PC) The baghouse, associated components, and ductwork should not have holes or corrosion; nor should it leak dust or have audible air leaks.
(CA) Corrective action will be taken within 7 days of discovery.

IV. Record Keeping
The following records will be maintained on site for a minimum of five (5) years and will be available to representatives of Polk County AQD upon request to demonstrate on-going compliance:

A. A daily inspections log will track the
1. Differential pressure gauge readings
2. Lack of visible emissions from the exhaust
3. Lack of visible leaks from the scavenger system and solids handling equipment on the roof.
4. Any corrective actions taken.
5. Date and time of inspection.
6. Inspector's signature.

B. A weekly inspection log will track the inspection of the baghouse, associated components, and ductwork for lack of leaks, holes, corrosion, and audible air leaks.

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 8

Associated Equipment

Associated Emission Unit ID Numbers: 115, 127, 127A, 127B, 127C, and 127R
Emissions Control Equipment ID Number: CE-08
Emissions Control Equipment Description: Sly Baghouse, Model 11/A

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
	(#6 Banbury Mixer):			
115	Handweighing Chemicals	Chemicals (PM_{10})	210.6 lbs./ hr.	CE-08
127	Rubber Mixing (Chemical Load)	Chemicals, Carbon Black	1,063.5 lbs./ hr.	CE-08
127	Rubber Mixing	Master Rubber (VOC)	17,123.3 lbs./ hr.	CE-08
127A	Automatic Weighing Chemicals	Chemicals (PM_{10})	852.6 lbs./ hr.	CE-08
127B	Charging Chute	Chemicals, Carbon Black	1,063.5 lbs./ hr.	CE-08
127C	Rubber Milling	Final Rubber (PM_{10})	1,063.5 lbs./ hr.	CE-08
127R	Rubber Milling, 84” Mill	Final Rubber (VOC)	17,123.3 lbs./ hr.	CE-08

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 1385

Pollutant: PM
Emission Limit: 11.1 lbs/hr., 48.62 TPY, and 0.10 gr./ dscf
Authority for Requirement: Polk County Construction Permit 1385
567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: VOC/ HAP
Emission Limits: 7.53 lbs/hr. and 33.3 TPY
Authority for Requirement: Polk County Construction Permit 1385

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: The emissions from this process and it's emission units is included in the 150,000,000 lb throughput limit as required by Polk County Construction Permit #0578 (Modified).
Work practice standards: Routine Periodic Inspection.
Authority for Requirement: Polk County Construction Permit 1385

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM
Stack Test to be Completed by- June 1, 2002
Test Method - Iowa Method 5- Particulate
Authority for Requirement – Polk County Construction Permit 1385
567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment:

I. Identification of Pollutant Specific Emission Unit

Name of Unit: #6 Banbury Mixer

1. Emission Units included: (EP 8 / CE-08 / EU's 115, 127, 127A, 127B, 127C, and 127R)
2. Control Technology: Particulate Control: Dust Collector
3. Applicable Requirement: 0.10 gr./ dscf

II. Monitoring Methods:

A. The following parameters will be monitored daily (every 24 hours) on days of operation:
   1. Differential pressure drop over the baghouse (magnehelic gauge reading)
   2. Visible emissions from the scavenger system ductwork and solids handling equipment on roof
   3. Visible emissions from the baghouse exhaust (EP 8)

B. The following parameters will be monitored weekly:
1. The baghouse, associated components, and ductwork inspected for leaking dust, holes, corrosion, and audible air leaks.

III. Performance Criteria (PC) and Corrective Action (CA)

A. Differential Pressure
(PC) Differential pressure drop over the baghouse should not exceed 9 inches water at the gauge reading.
(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 72 hours of discovery.

B. Scavenger System
(PC) There should be no visible emissions from the scavenger system ductwork and solids handling equipment on roof.
(CA) Corrective action and clean up will be taken within 8 hours of discovery.

C. Exhaust
(PC) There should be no visible emissions from the baghouse exhaust.
(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 8 hours of discovery.

D. Entire System
(PC) The baghouse, associated components, and ductwork should not have holes or corrosion; nor should it leak dust or have audible air leaks.
(CA) Corrective action will be taken within 7 days of discovery.

IV. Record Keeping
The following records will be maintained on site for a minimum of five (5) years and will be available to representatives of Polk County AQD upon request to demonstrate on-going compliance:

A. A daily inspections log will track the
1. Differential pressure gauge readings
2. Lack of visible emissions from the exhaust
3. Lack of visible leaks from the scavenger system and solids handling equipment on the roof.
4. Any corrective actions taken.
5. Date and time of inspection.
6. Inspector's signature.

B. A weekly inspection log will track the inspection of the baghouse, associated components, and ductwork for lack of leaks, holes, corrosion, and audible air leaks.

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 10

Associated Equipment

Associated Emission Unit ID Numbers: 917, 918
Emissions Control Equipment ID Number: CE-10
Emissions Control Equipment Description: Cartridge Filter Bank

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
917	#5 Banbury: Pellet Charging	Rubber Pellets	119.05 lbs./ hr.	CE-10
918	#6 Banbury: Pellet Charging	Rubber Pellets	119.11 lbs./ hr.	CE-10

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 12

Associated Equipment

Associated Emission Unit ID Numbers: 201, 202, 203, 204, 205, 301, 302, 303, 304, 305, and 306

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
201	#3 Extruder: 84" Breakdown Mill	Rubber	137.60 lbs./ hr.	N/A
202	#3 Extruder: 84" Breakdown Mill	Rubber	137.60 lbs./ hr.	N/A
203	#3 Extruder: 84" Feed Mill	Rubber	137.60 lbs./ hr.	N/A
204	#3 Extruder: 84" Feed Mill	Rubber	137.60 lbs./ hr.	N/A
205	#3 Extruder: 84" Mill- Rubber Extrusion	Rubber	275.19 lbs./ hr.	N/A
301	L Calendar Breakdown Mill	Final Rubber	2,012.84 lbs./ hr.	N/A
302	L Calendar Breakdown Mill	Final Rubber	862.65 lbs./ hr.	N/A
303	L Calendar Feed Mill	Rubber	2,012.84 lbs./ hr.	N/A
304	L Calendar Feed Mill	Rubber	862.25 lbs./ hr.	N/A
305	L Calendar- 3 Roll Calendar	Rubber	862.25 lbs./ hr.	N/A
306	L Calendar- 4 Roll Calendar	Rubber	2,012.84 lbs./ hr.	N/A

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No applicable emission limits at this time.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 15

Applicable Requirements

Emission Unit vented through this Emission Point: 208
Emission Unit Description: #6 Extruder Undertread Cement Applicator
Raw Material/Fuel: Tread Cement (S42)
Rated Capacity: 14.59 lbs./ hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No applicable emission limits at this time.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 17

Applicable Requirements

Emission Unit vented through this Emission Point: 405
Emission Unit Description: Bead Dipping Drying Station Adhesive Applicator
Raw Material/Fuel: Cement (S-41)
Rated Capacity: 3.998 lbs./ hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No applicable emission limits at this time.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 17A

Applicable Requirements

Emission Unit vented through this Emission Point: 406
Emission Unit Description: Bead Dipping Drying Station Adhesive Applicator
Raw Material/Fuel: Cement (S-41)
Rated Capacity: 3.998 lbs./ hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No applicable emission limits at this time.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 20

Associated Equipment

Associated Emission Unit ID Numbers: 558, 919
Emissions Control Equipment ID Number: CE-20
Emissions Control Equipment Description: Cartridge Filter Bank- Composite Filters

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
558	Spray Booth, Small Tractor, Bldg. 22	Desco & Tanco Spray	33.78 gallons/ hr.	CE-20
919	Spray Booth, Passenger Light Truck, Automatic, Bldg. 22	Desco & Tanco Spray	22.52 gallons/ hr.	CE-20

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 0907

Pollutant: PM
Emission Limit: 0.01 gr./ scf
Authority for Requirement: 567 IAC 23.4(13)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16(m)

Pollutant: PM_{10}
Emission Limits: 0.72 lbs/hr., 3.14 TPY, and 0.01 grains/ scf.
Authority for Requirement: Polk County Construction Permit 0907

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: The spray booth, (EU 558 and EU 919), shall only be used to apply water based paint.
Work practice standards: Routine periodic inspection.
Authority for Requirement: Polk County Construction Permit 0907

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

EP 20 shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken while either the Small Tractor Spray Booth (EU 558) and / or the Passenger Light Truck Spray Booth (EU 919) are operating. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If an opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 23

Associated Equipment

Associated Emission Unit ID Numbers: 556 and 556A
Emissions Control Equipment ID Number: CE-23
Emissions Control Equipment Description: Cartridge Filter Bank

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
556	Spray Booth, Bias Tractor - Inside Spraying, Bldg. 3	Desco Spray	5.63 gallons/ hr.	CE-23
556A	Spray Booth, Bias Tractor – Outside Spraying, Bldg. 3	Tanco Spray	5.63 gallons/ hr.	CE-23

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.01 gr./ scf
Authority for Requirement: 567 IAC 23.4(13)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16(m)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 24

Associated Equipment

Associated Emission Unit ID Numbers: 567, 607, 608, and 608A

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
567	Curing Presses (21), Bldg. 8 (#544-549, 551-565)	Uncured Tires (VOC)	3,675.00 lbs./ hr.	N/A
607	Curing Press, Bag-O-Matic 75" (1), Bldg. 8 (#566)	Uncured Tires (VOC)	175.00 lbs./ hr.	N/A
608	Curing Press, McNeil Akron 100" (1), Bldg. 8 Annex (#567)	Uncured Tires (VOC)	250.00 lbs./ hr.	N/A
608A	Curing Presses (6), Bldg. 8 (#538-543)	Uncured Tires (VOC)	1,050.00 lbs./ hr.	N/A

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EU	VOC	HAPs (Combined)	Authority for Requirement
567	N/A	N/A	N/A
607	1.17 lbs/hr., 5.12 TPY	0.24 lbs/hr., 1.04TPY	Polk County Construction Permit 0818A
608	1.67 lbs/hr., 7.31 TPY	0.34 lbs/hr., 1.49 TPY	Polk County Construction Permit 0736 MODIFIED
608A	N/A	N/A	N/A

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine periodic inspection.
Authority for Requirement: Polk County Construction Permit 0818A and 0736 MODIFIED

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒
Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 25

Associated Equipment

Associated Emission Unit ID Numbers: 603, 603A, 604, and 604A

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
603	Curing Presses, McNeil, Bldg. 2, (3) 55" Dual (#667- 672), (4) 60" Dual (#649- 656)	Uncured Tires (VOC)	2,450. lbs./ hr.	N/A
603A	Curing Presses, (2) 63.5" McNeil Dual Cavity, Bldg. 2 (#659- 662)	Uncured Tires (VOC)	700. lbs./ hr.	N/A
604	Curing Press, NRM 62" Dual, Bldg. 2, (#665- 666)	Uncured Tires (VOC)	350. lbs./ hr.	N/A
604A	Curing Press, NRM 62" Dual, Bldg. 2, (#667- 658)	Uncured Tires (VOC)	350. lbs./ hr.	N/A

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EU 603 and 603A: No applicable emission limits at this time.

Pollutant: VOC
Emission Limits: 4.68 lbs/hr. and 20.48 TPY (EU 604 and 604A)
Authority for Requirement: Polk County Construction Permit 0818B

Pollutant: HAPs (Combined)
Emission Limits: 0.95 lbs/hr. and 4.17 TPY (EU 604 and 604A)
Authority for Requirement: Polk County Construction Permit 0818B

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine periodic inspection.
Authority for Requirement: Polk County Construction Permit 0818B

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 26

Associated Equipment

Associated Emission Unit ID Numbers: 606, 606S, 606A, and 606B

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
606	Curing Presses, Bldg. 5, (8) McNeil Duals (# 615- 630), (27) Singles (#505- 531)	Uncured Tires (VOC)	7,525. lbs./ hr.	N/A
606S	Curing Press, McNeil (1- 55") Dual Cavity, Bldg. 2, (#613- 614)	Uncured Tires (VOC)	350. lbs./ hr.	N/A
606A	Curing Presses (5), McNeil, Bldg. 3 (#501- 504, 535)	Uncured Tires (VOC)	875. lbs./ hr.	N/A
606B	Curing Presses (2), McNeil, Bldg. 3 (#536- 537)	Uncured Tires (VOC)	350. lbs./ hr.	N/A

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EU 606, 606A, and 606B: No applicable emission limits at this time.

Pollutant: Opacity
Emission Limit: No Visible Emissions (EU 606S)
Authority for Requirement: Polk County Construction Permit 1342

Pollutant: VOC
Emission Limits: 2.338 lbs/hr. and 10.240 TPY (EU 606S)
Authority for Requirement: Polk County Construction Permit 1342

Pollutant: HAPs (Combined)
Emission Limits: 0.476 lbs/hr. and 2.085 TPY (EU 606S)
Authority for Requirement: Polk County Construction Permit 1342

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Periodic Inspection.
Authority for Requirement: Polk County Construction Permit 1342

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 27

Associated Equipment

Associated Emission Unit ID Numbers: 602A, 602B, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, and 636

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
602A	Curing Presses, McNeil/ NRM Dual, Bldg. 22, (14) (#275- 302), (16) (#307- 338), (7) (#339- 352), (3) (#355- 360), (7) (#361- 374), and (1) (#393- 394)	Uncured Tires (VOC)	16,800 lbs./ hr.	N/A
602B	Curing Presses, McNeil/ NRM Dual, Bldg. 22, (14) (#175- 202), (9) (#243- 260), and (3) (#269- 274)	Uncured Tires (VOC)	9,100 lbs./ hr.	N/A
615	McNeil 75” Tire Curing Press #701	Uncured Tires (VOC)	175 lbs./ hr.	N/A
616	McNeil 75” Tire Curing Press #702	Uncured Tires (VOC)	175 lbs./ hr.	N/A
617	McNeil 75” Tire Curing Press #703	Uncured Tires (VOC)	175 lbs./ hr.	N/A
618	McNeil 75” Tire Curing Press #704	Uncured Tires (VOC)	175 lbs./ hr.	N/A
619	McNeil 85” Tire Curing Press #751	Uncured Tires (VOC)	175 lbs./ hr.	N/A
620	McNeil 85” Tire Curing Press #752	Uncured Tires (VOC)	175 lbs./ hr.	N/A
621	McNeil 63.5” Tire Curing Press #173 & 174	Uncured Tires (VOC)	350 lbs./ hr.	N/A
622	McNeil 63.5” Tire Curing Press #171 & 172	Uncured Tires (VOC)	350 lbs./ hr.	N/A
623	McNeil 63.5” Tire Curing Press #169 & 170	Uncured Tires (VOC)	350 lbs./ hr.	N/A
624	McNeil 63.5” Tire Curing Press #167 & 168	Uncured Tires (VOC)	350 lbs./ hr.	N/A
625	McNeil 63.5” Tire Curing Press #165 & 166	Uncured Tires (VOC)	350 lbs./ hr.	N/A
626	McNeil 63.5” Tire Curing Press #163 & 164	Uncured Tires (VOC)	350 lbs./ hr.	N/A
627	McNeil 63.5” Tire Curing Press #161 & 162	Uncured Tires (VOC)	350 lbs./ hr.	N/A
628	McNeil 63.5” Tire Curing Press #159 & 160	Uncured Tires (VOC)	350 lbs./ hr.	N/A
629	McNeil 63.5” Tire Curing Press #157 & 158	Uncured Tires (VOC)	350 lbs./ hr.	N/A

630	McNeil 63.5” Tire Curing Press #155 & 156	Uncured Tires (VOC)	350 lbs./ hr.	N/A
631	McNeil 63.5” Tire Curing Press #153 & 154	Uncured Tires (VOC)	350 lbs./ hr.	N/A
632	McNeil 63.5” Tire Curing Press #151 & 152	Uncured Tires (VOC)	350 lbs./ hr.	N/A
633	Bolshevik 100” Tire Curing Press #705	Uncured Tires (VOC)	250 lbs./ hr.	N/A
634	McNeil 75” Tire Curing Press #753	Uncured Tires (VOC)	175 lbs./ hr.	N/A
635	McNeil 85” Tire Curing Press #754	Uncured Tires (VOC)	175 lbs./ hr.	N/A
636	McNeil 85” Tire Curing Press #755	Uncured Tires (VOC)	175 lbs./ hr.	N/A

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EU 602A and 602B: No applicable emission limits at this time.

Pollutant: Opacity (EU 615- 636)
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 0855 Modified

Pollutant: VOC (EU 615- 636)
Emission Limits: 40.247 lbs/hr. and 177.0 TPY
Authority for Requirement: Polk County Construction Permit 0855 Modified

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: Maximum curing rate of 6025 pounds per hour. (EU 615- 636)
Work practice standards: Routine Periodic Inspection.
Authority for Requirement: Polk County Construction Permit 0855 Modified

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 28

Associated Equipment

Emissions Control Equipment ID Number: CE-28
Emissions Control Equipment Description: Barry Blower Model 182 TUB Composite Filter Bank

Applicable Requirements

Emission Unit vented through this Emission Point: 711
Emission Unit Description: Tractor Tire Buffing and Repair Booth, Bldg. 12
Raw Material/Fuel: Rubber Tires
Rated Capacity: 5.0 tires/ hour

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 0911

Pollutant: PM
Emission Limit: 0.01 gr./ scf
Authority for Requirement: 567 IAC 23.4(13)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16(m)

Pollutant: PM_{10}
Emission Limits: 1.30 lbs/hr., 5.68 TPY, and 0.01 grains/ scf.
Authority for Requirement: Polk County Construction Permit 0911

Pollutant: VOC
Emission Limit: 0.44 TPY
Authority for Requirement: Polk County Construction Permit 0911

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: The product to be sprayed in the booth shall be water based, and contain less than 1.0% V.O.C.

Work practice standards: Routine Periodic Inspection.
Authority for Requirement: Polk County Construction Permit 0911

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

EP 28 shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken while the Tractor Tire Buffing and Repair Booth (EU 711) with Barry Blower Model 182 TUB Composite Filter Bank (CE-28) are operating. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If an opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

MSDS from each new shipment of solution to be sprayed in EU 711 must be observed for VOC content, in order to show compliance with the requirement to be less than 1.0% VOC. MSDS from each product sprayed in EU 711 shall be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 29

Associated Equipment

Emissions Control Equipment ID Number: CE-29
Emissions Control Equipment Description: Torrit Cyclone Dust Collector, Model 24

Applicable Requirements

Emission Unit vented through this Emission Point: 712
Emission Unit Description: Passenger Tire Buffing and Repair Station, Bldg. 22
Raw Material/Fuel: Rubber Tires
Rated Capacity: 10 tires/ hour

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.10 gr./scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM
Stack Test to be Completed by- March 1, 2004
Test Method - Iowa Method 5- Particulate
Authority for Requirement - 567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 34A

Associated Equipment

Emissions Control Equipment ID Number: CE-34A
Emissions Control Equipment Description: Scrubber; Ducon Size 42 UW3 Model III

Applicable Requirements

Emission Unit vented through this Emission Point: 710
Emission Unit Description: Tire Optimizing Machine #10
Raw Material/Fuel: Rubber Tires
Rated Capacity: 102 tires/ hour

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limits: 1.2 lbs./ hr. and 5.26 tons/ 12 month rolling period
Allowable Concentration: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
IDNR Air Quality Bureau Construction Permit 95-A-375

Pollutant: PM_{10}
Emission Limits: 0.6 lbs./ hr. and 2.63 tons/ 12 month rolling period
Authority for Requirement: 567 IAC 23.3(1)
IDNR Air Quality Bureau Construction Permit 95-A-375

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control equipment parameters:

1) The pressure drop across the scrubber and the quantity of water used by the scrubber, both virgin and recycled water, must be within the scrubber manufacturer's specifications. These specifications must be kept on site.
2) A metering system must be properly installed, calibrated, and maintained, which Continuously measures the following parameters regarding the scrubber.
    1) pressure drop across the scrubber
    2) quantity of virgin water introduced to the scrubber
    3) quantity of recycled water used by the scrubber

Work practice standards: The readout for the metering system must be easily accessible for inspection and must be monitored at least daily, during the initial hour of operation, by the permittee.

Reporting & Record keeping:

1) Monthly records must be kept which show the following, regarding the quantity of water used by the scrubber.
    1) quantity of make up water
    2) quantity of recycled water
    3) total quantity of water used
2) If the parameters, (outlined under Control equipment parameters), fall outside the manufacturer's specified range for more than 6 minutes, the permittee must follow the excess emissions requirements specified in G13. In addition, the following must be kept on site which show:
    1) date, time, and duration the pressure drop of the scrubber is outside of manufacturer's specifications. The action(s) taken to restore the scrubber's pressure drop to its proper range must be documented.
    2) date, time, and duration the quantity of make up scrubber water falls below manufacturer's specifications.

Authority for Requirement: IDNR Air Quality Bureau Construction Permit 95-A-375

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet): 56 (above grade)
Stack Diameter (feet): 2
Stack Exhaust Flow Rate (scfm): 1,400
Stack Temperature (^{o}F): 70
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Location: Stack is located near the southwest corner of Building 22.
Authority for Requirement: IDNR Air Quality Bureau Construction Permit 95-A-375

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 34C

Associated Equipment

Emissions Control Equipment ID Number: CE-34C
Emissions Control Equipment Description: McMaster-Carr 2119K23 Hi-Volume Cyclone

Applicable Requirements

Emission Unit vented through this Emission Point: 554
Emission Unit Description: Tractor Tire Repair Booth, Bldg. 18
Raw Material/Fuel: Rubber Tires
Rated Capacity: 5.0 tires/ hour

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 1032 MODIFIED

Pollutant: PM
Emission Limit: 0.01 gr./ scf
Authority for Requirement: 567 IAC 23.4(13)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16(m)

Pollutant: PM_{10}
Emission Limit: 0.257 TPY
Authority for Requirement: Polk County Construction Permit 1032 MODIFIED

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: Throughput is limited to 8,219,441 pounds of tires per 12 month period rolled monthly.

Control equipment parameters: Routine Periodic Inspection.

Work practice standards: Spray material content will be as stated in the permit application. (VOC is negligible at 0.6%)

Reporting & Record keeping: A log of throughput shall be (recorded and) maintained on a monthly basis and made available to representatives of this department (Polk County AQD) upon request. (Records shall be maintained on site for a minimum of five years).

Authority for Requirement: Polk County Construction Permit 1032 MODIFIED

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

EP 34C shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken while the Tractor Tire Repair Booth (EU 554) with McMaster-Carr 2119K23 Hi-Volume Cyclone (CE-34C) are operating. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If an opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 35

Associated Equipment

Associated Emission Unit ID Numbers: 913, 913A, 913B, 913C, and 913D

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
913	Tire Mold Repair Welding Booth	Welding Rod: E-6010	0.120 lbs./ hr.	NA
913A	Tire Mold Repair Welding Booth	Welding Rod: E-6011	0.040 lbs./ hr.	NA
913B	Tire Mold Repair Welding Booth	Welding Rod: E-7024	0.040 lbs./ hr.	NA
913C	Tire Mold Repair Welding Booth	Welding Rod: E-6013	0.050 lbs./ hr.	NA
913D	Tire Mold Repair Welding Booth	Welding Rod: E-6010	0.120 lbs./ hr.	NA

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 36

Associated Equipment

Emissions Control Equipment ID Number: CE-36
Emissions Control Equipment Description: Cyclone Separator and Baghouse

Applicable Requirements

Emission Unit vented through this Emission Point: 826
Emission Unit Description: Tire Mold Cleaning Station (3 Mold Cleaning Sand Blasting Units)
Raw Material/Fuel: Sand
Rated Capacity: 2,400 lbs./ hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 0919

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: PM_{10}
Emission Limits: 2.57 lbs/hr., 11.26 TPY, and 0.10 grains/ scf.
Authority for Requirement: Polk County Construction Permit 0919

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Periodic Inspection.
Authority for Requirement: Polk County Construction Permit 0919

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - PM_{10}
Stack Test to be Completed by- March 1, 2004
Test Method - 40 CFR Part 51, Appendix M, Method 202
in conjunction with a Method 201 A test.
Authority for Requirement - 567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

EP 36 shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken while the Tire Mold Cleaning Station (3 Mold Cleaning Sand Blasting Units) (EU 826) with Cyclone Separator and Baghouse (CE-36) are operating. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If an opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 38

Associated Equipment

Associated Emission Unit ID Numbers: 820 and 821

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
820	Boiler #1, 18.39 MM BTU/ Hr.	Natural Gas	0.01803 MMCF/ Hr.	NA
820	Boiler #1, 18.39 MM BTU/ Hr.	No. 6 Residual Oil	122.6 Gal./ Hr.	NA
821	Boiler #2, 18.39 MM BTU/ Hr.	Natural Gas	0.01803 MMCF/ Hr.	NA
821	Boiler #2, 18.39 MM BTU/ Hr.	No. 6 Residual Oil	122.6 Gal./ Hr.	NA

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40%
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limits: 0.52 lb./ MM BTU
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article V, Section 5-12 (2)

Pollutant: SO_2
Emission Limits: 2.5 lb./ MM BTU (when burning fuel oil) and,
500 parts per million by volume (when burning natural gas)
Authority for Requirement: 567 IAC 23.3(3)"b (2)" and 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27: (2) (a) and (5)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

EP 38 shall be visually checked for observable emissions once a day by a designated observer, on days when EU 820 or 821 is combusting No. 6 Residual Oil. The observation shall be taken while the Boiler #1 (EU 820) or Boiler #2 (EU 821) are operating. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 40% opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Reporting & Record keeping:

I) The facility shall ensure that a fuel supplier certification and analysis are received with each shipment of residual oil. Fuel supplier certification shall include the following information:

1) The name of the residual oil supplier.
2) A sulfur content analysis, listing the maximum percent sulfur of the shipment.
3) Sulfur content shall not exceed 2.389% by weight.
4) Date of the residual oil shipment.

II) The owner or operator shall record and maintain records of the amounts of residual oil and natural gas combusted during each month in EU 820 and EU 821.

All records required shall be maintained by the owner or operator of EU 820 and EU 821 for a period of five years following the date of such record and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 39

Applicable Requirements

Emission Unit vented through this Emission Point: 822
Emission Unit Description: Boiler #3, 43.88 MM BTU/ Hr.
Raw Material/Fuel: Natural Gas and No. 6 Residual Oil
Rated Capacity: 0.04302 MMCF/ Hr. and 292.5 Gal./ Hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40%
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limits: 0.425 lb./ MM BTU
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article V, Section 5-12 (2)

Pollutant: SO_2
Emission Limits: 2.5 lb./ MM BTU (when burning fuel oil) and,
500 parts per million by volume (when burning natural gas)
Authority for Requirement: 567 IAC 23.3(3)"b (2)" and 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27: (2) (a) and (5)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

EP 39 shall be visually checked for observable emissions once a day by a designated observer, on days when EU 822 is combusting No. 6 Residual Oil. The observation shall be taken while the Boiler #3 (EU 822) is operating. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 40% opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Reporting & Record keeping:

I) The facility shall ensure that a fuel supplier certification and analysis are received with each shipment of residual oil. Fuel supplier certification shall include the following information:
   1) The name of the residual oil supplier.
   2) A sulfur content analysis, listing the maximum percent sulfur of the shipment.
   3) Sulfur content shall not exceed 2.389% by weight.
   4) Date of the residual oil shipment.

II) The owner or operator shall record and maintain records of the amounts of residual oil and natural gas combusted during each month in EU 822.

All records required shall be maintained by the owner or operator of EU 822 for a period of five years following the date of such record and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 40

Applicable Requirements

Emission Unit vented through this Emission Point: 823
Emission Unit Description: Boiler #4, 31.34 MM BTU/ Hr.
Raw Material/Fuel: Natural Gas and No. 6 Residual Oil
Rated Capacity: 0.03073 MMCF/ Hr. and 208.93 Gal./ Hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40%
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limits: 0.46 lb./ MM BTU and
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article V, Section 5-12 (2)

Pollutant: SO_2
Emission Limits: 2.5 lb./ MM BTU (when burning fuel oil) and,
500 parts per million by volume (when burning natural gas)
Authority for Requirement: 567 IAC 23.3(3)"b (2)" and 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27: (2) (a) and (5)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

EP 40 shall be visually checked for observable emissions once a day by a designated observer, on days when EU 823 is combusting No. 6 Residual Oil. The observation shall be taken while the Boiler #4 (EU 823) is operating. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 40% opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

Reporting & Record keeping:

I) The facility shall ensure that a fuel supplier certification and analysis are received with each shipment of residual oil. Fuel supplier certification shall include the following information:

1) The name of the residual oil supplier.
2) A sulfur content analysis, listing the maximum percent sulfur of the shipment.
3) Sulfur content shall not exceed 2.389% by weight.
4) Date of the residual oil shipment.

II) The owner or operator shall record and maintain records of the amounts of residual oil and natural gas combusted during each month in EU 823.

All records required shall be maintained by the owner or operator of EU 823 for a period of five years following the date of such record and be made available to representatives of Polk County AQD upon request.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 41

Associated Equipment

Associated Emission Unit ID Numbers: 007 and 008

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
007	Slab Dip Mixer	Promol AK-22X	7.744 lbs./ hr.	NA
008	Slab Dip Mixer	Promol AK-22X	7.744 lbs./ hr.	NA

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40%
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 42

Associated Equipment

Associated Emission Unit ID Numbers: 009, 010, 011, and 012

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
009	Tread Cement Mixing Tank #1	Tread Cement (S-42)	38.00 lb./hr.	NA
010	Tread Cement Mixing Tank #2	Tread Cement (S-42)	38.00 lb./hr.	NA
011	Bead Cement Mixing.	Bead Cement	76.00 lb./hr.	NA
012	Tread Cement Holding Tank	Tread Cement (S-42)	76.00 lb./hr.	NA

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No applicable emission limits at this time.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 43

Associated Equipment

Emissions Control Equipment ID Number: CE-43
Emissions Control Equipment Description: Sly 11A Baghouse

Applicable Requirements

Emission Unit vented through this Emission Point: 105
Emission Unit Description: #1 and #2 Banbury Drop Mills
Raw Material/Fuel: Final Rubber
Rated Capacity: 2,127.0 lbs./ hr. (Chemicals),
2,506.8 lbs./ hr. (Carbon Back), and
17,123.3 lbs./ hr. (Rubber)

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit 0558B

Pollutant: PM
Emission Limit: 0.10 gr./scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: PM_{10}
Emission Limits: 8.03 lbs/hr., 35.16 TPY, and 0.10 grains/ scf.
Authority for Requirement: Polk County Construction Permit 0558B

Pollutant: VOC
Emission Limits: 7.60 lbs/hr. and 33.30 TPY
Authority for Requirement: Polk County Construction Permit 0558B

Pollutant: HAPs (Combined)
Emission Limits: 2.40 lbs/hr. and 10.50 TPY
Authority for Requirement: Polk County Construction Permit 0558B

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: Facility wide limit on rubber utilized is 150,000,000 pounds per twelve month rolling period.
Work practice standards: Routine Periodic Inspection.
Reporting & Record keeping: Twelve month rolling records of rubber processed in the facility shall be maintained on site for five years and be made available to representatives of Polk County Air Quality Division upon request.
Authority for Requirement: Polk County Construction Permit 0558B

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment:

I. Identification of Pollutant Specific Emission Unit

Name of Units: #1 and #2 Banbury Drop Mills

1. Emission Units included: (EP 43 / CE-43 / EU 105)
2. Control Technology: Particulate Control: Dust Collector
3. Applicable Requirement: 0.10 gr/scf

II. Monitoring Methods:

A. The following parameters will be monitored daily (every 24 hours) on days of operation:
   1. Differential pressure drop over the baghouse (magnehelic gauge reading)
   2. Visible emissions from the scavenger system ductwork and solids handling equipment on roof
   3. Visible emissions from the baghouse exhaust (EP 43)

B. The following parameters will be monitored weekly:
   1. The baghouse, associated components, and ductwork inspected for leaking dust, holes, corrosion, and audible air leaks.

III. Performance Criteria (PC) and Corrective Action (CA)

A. Differential Pressure
(PC) Differential pressure drop over the baghouse should not exceed 9 inches water at the gauge reading.
(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 72 hours of discovery.

B. Scavenger System
(PC) There should be no visible emissions from the scavenger system ductwork and solids handling equipment on roof.
(CA) Corrective action and clean up will be taken within 8 hours of discovery.

C. Exhaust
(PC) There should be no visible emissions from the baghouse exhaust.
(CA) Troubleshooting contingency measure will be implemented and corrective action will be taken within 8 hours of discovery.

D. Entire System
(PC) The baghouse, associated components, and ductwork should not have holes or corrosion; nor should it leak dust or have audible air leaks.
(CA) Corrective action will be taken within 7 days of discovery.

IV. Record Keeping
The following records will be maintained on site for a minimum of five (5) years and will be available to representatives of Polk County AQD upon request to demonstrate on-going compliance:

A. A daily inspections log will track the
1. Differential pressure gauge readings
2. Lack of visible emissions from the exhaust
3. Lack of visible leaks from the scavenger system and solids handling equipment on the roof.
4. Any corrective actions taken.
5. Date and time of inspection.
6. Inspector's signature.

B. A weekly inspection log will track the inspection of the baghouse, associated components, and ductwork for lack of leaks, holes, corrosion, and audible air leaks.

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 45

Associated Equipment

Associated Emission Unit ID Numbers: 111D, 111E, and 221

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
111D	#4 Banbury 36" Shaping Mill	Final Rubber	17,123.30 lb./hr.	NA
111E	#4 Banbury Slab Dip Backside Spray	Slab Dip	0.511 lb./hr.	NA
221	#8 Rubber Extruder	Rubber	1100.80 lb./hr.	NA

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No applicable emission limits at this time.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 46

Applicable Requirements

Emission Unit vented through this Emission Point: 106
Emission Unit Description: #1 and #2 Banbury Shaping Mills
Raw Material/Fuel: Final Rubber
Rated Capacity: 17,123.30 lb./hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No applicable emission limits at this time.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 47

Associated Equipment

Emissions Control Equipment ID Number: CE-47
Emissions Control Equipment Description: Bulk Lift Bag Filter

Applicable Requirements

Emission Unit vented through this Emission Point: 001
Emission Unit Description: Carbon Black Unloading Station
Raw Material/Fuel: Carbon Black
Rated Capacity: 71,000. lbs./ hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <40%
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 50

Applicable Requirements

Emission Unit vented through this Emission Point: 825
Emission Unit Description: Rubber Hot Rooms (5),
each with 150,000 BTU Natural Gas Furnaces (5)
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.75 MM BTU/ Hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each of the five (5) vents shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit Number 0916

Pollutant: PM_{10}
Emission Limits: 0.002 lbs./ hr. and
0.007 TPY
Authority for Requirement: Polk County Construction Permit Number 0916

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: SO_2
Emission Limits: 0.00009 lbs./ hr.,
0.0004 TPY, and
500 parts per million by volume
Authority for Requirement: Polk County Construction Permit Number 0916
567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27

Pollutant: NO_x
Emission Limits: 0.0141 lbs./ hr. and
0.062 TPY
Authority for Requirement: Polk County Construction Permit Number 0916

Pollutant: VOC
Emission Limits: 0.002 lbs./ hr. and
0.007 TPY
Authority for Requirement: Polk County Construction Permit Number 0916

Pollutant: CO
Emission Limits: 0.006 lbs./ hr. and
0.03 TPY
Authority for Requirement: Polk County Construction Permit Number 0916

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Periodic Inspection
Authority for Requirement: Polk County Construction Permit Number 0916

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 51

Associated Equipment
Associated Emission Unit ID Numbers: 210, 211, 212, 213, 214, 215, 218, and 219
Emissions Control Equipment ID Number: CE-51
Emissions Control Equipment Description: Cartridge Filter Bank

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
210	#7 Extruder Breakdown Mill	Rubber	2,769.20 lbs./ hr.	N/A
211	#7 Extruder Breakdown Mill	Rubber	2,769.20 lbs./ hr.	N/A
212	#7 Extruder Breakdown Mill	Rubber	1,384.60 lbs./ hr.	N/A
213	#7 Extruder Feed Mill	Rubber	3,461.50 lbs./ hr.	N/A
214	#7 Extruder Feed Mill	Rubber	3,461.50 lbs./ hr.	N/A
215	#7 Extruder	Rubber	6,922.90 lbs./ hr.	N/A
218	#7 Extruder Undertread Cement	Cement (S-42)	123.26 lbs./ hr.	CE-51
219	#7 Extruder Treadend Cement	Cement (S-42)	123.26 lbs./ hr.	CE-51

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity (EU 218 and 219)
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit Number 0385

Pollutant: PM
Emission Limit: 0.10 gr./scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: VOC (EU 218 and 219)
Emission Limits: 115. lbs./ hr. and
297.4 TPY
Authority for Requirement: Polk County Construction Permit Number 0385

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Hours of operation: 5,172 Hours per year (EU 218 and 219)
Process throughput: Rubber: 7,000 lbs./ hr. and 18,100 TPY (EU 218 and 219)
Reporting & Record keeping: An operating log, (specifying the monthly material throughput in lbs./ month and hours per month, of the previous twelve month rolling period), shall be maintained on site, (for five years and be made available to representatives of Polk County Air Quality Division upon request). (EU 218 and 219)
Authority for Requirement: Polk County Construction Permit Number 0385

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - VOC
Stack Test to be Completed by – March 1, 2004
Test Method - 40 CFR Part 60, Appendix A, Method 25A or 25B
Authority for Requirement: 567 IAC 22.108(3)"b"

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 52

Associated Equipment
See Table Below

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID & Description
Grandfathered Emission Units:				
206	#6 Extruder	Rubber	3,461.50 lbs./ hr.	N/A
209	#6 Extruder Treadend Cement	S-42 Tread Cement	3.005 lbs./ hr.	N/A
307	Adamson Z Calendar Breakdown Mill	Rubber	3,153.17 lbs./ hr. (each)	N/A
308	Adamson Z Calendar Breakdown Mill			
309	Adamson Z Calendar Holding Mill			
310	Adamson Z Calendar Holding Mill			
311	Adamson Z Calendar Feed Mill			
312	Adamson Z Calendar Feed Mill			
313	Adamson 4 Roll Calendar for Z Calendar	Rubber	6,306.94 lbs./ hr.	N/A
504	Tire Assembly Machine, NRM Model 80S (#13)	Tire Wash Solvent Orbco Tread Cement	0.47 lbs./ hr. (each) 0.12 lbs./ hr. (each)	N/A
505	Tire Assembly Machine, NRM Model 80S (#14)			
506	Tire Assembly Machine, NRM Model 80S (#16)			
507	Tire Assembly Machine, NRM Model 80S (#19)			
508	Tire Assembly Machine, NRM Model 80S (#20)			
509	Tire Assembly Machine, NRM Model 80S (#21)			
510	Tire Assembly Machine, NRM Model 80S (#22)			
512	Tire Assembly Machine, NRM Model 89 (#37)	Tire Wash Solvent Orbco Tread Cement Drum Cement	0.47 lbs./ hr. (each) 0.12 lbs./ hr. (each) 0.01 lbs./ hr. (each)	N/A
513	Tire Assembly Machine, NRM Model 89 (#38)			
514	Tire Assembly Machine, NRM Model 89 (#41)			
515	Tire Assembly Machine, NRM Model 53 (#27)			
516	Tire Assembly Machine, NRM Model 53 (#28)			
517	Tire Assembly Machine, NRM Model 53 (#29)			
518	Tire Assembly Machine, NRM Model 53 (#30)			
519	Tire Assembly Machine, NRM Model 53 (#31)			
520	Tire Assembly Machine, NRM Model 53 (#33)			
521	Tire Assembly Machine, NRM Model 60 (#55)	Tire Wash Solvent Orbco Tread Cement	0.47 lbs./ hr. (each) 0.12 lbs./ hr. (each)	N/A
522	Tire Assembly Machine, NRM Model 60 (#72)			
523	Tire Assembly Machine, NRM Model 60 (#64)			
524	Tire Assembly Machine, NRM Model C1519 (#35)			
525	Tire Assembly Machine, NRM Model C1519 (#36)			
526	Tire Assembly Machine, NRM Model 80W (#39)			
527	Tire Assembly Machine, NRM Model 80W (#40)			
579	Tire Assembly Machine, NRM Model 80 (#23)			
Construction Permitted Emission Units				
500	Tire Assembly Machine, NRM Model 89 (#42)	Tire Wash Solvent Orbco Tread Cement Drum Cement	0.47 lbs./ hr. (each) 0.12 lbs./ hr. (each) 0.01 lbs./ hr. (each)	N/A
501	Tire Assembly Machine, Cooper Tire Model CR2 Conversion Model 80 (#15)	Tire Wash Solvent Orbco Tread Cement	0.47 lbs./ hr. (each) 0.12 lbs./ hr. (each)	N/A
502	Tire Assembly Machine, Cooper Tire Model Conversion (#17)			

563	Tire Assembly Machine, NRM Model 95	Drum Cement Orbco Tread Cement Tire Wash Solvent Breakdown Solvent	0.009 lbs./hr. 0.30 lbs./ hr. 0.47 lbs./ hr. 0.02 lbs./ hr.	N/A
564 & 570	Two (2) NRM Model 95 Tire Assembly Machines - Building 22 (#431, 432)	Drum Cement Orbco Tread Cement Tire Wash Solvent Breakdown Solvent	0.009 lbs./hr. 0.30 lbs./ hr. 0.47 lbs./ hr. 0.02 lbs./ hr.	N/A
511	Tire Assembly Machine, NRM Model 610 (#441)	Tire Wash Solvent Orbco Tread Cement	0.84 lbs./ hr. 0 30 lbs./ hr.	N/A
568	Tire Assembly Machine, NRM Model 610 (#419)			
569	Tire Assembly Machine, NRM Model 610 (#417)			
574	Tire Assembly Machine, NRM Model 95	Tire Wash Solvent Orbco Tread Cement Drum Cement Breakdown Solvent	0.47 lbs./hr. (each) 0.12 lbs./ hr. (each) 0.01 lbs./ hr. (each) 0.02 lbs./hr. (each)	N/A
575	Tire Assembly Machine, NRM Model 95			
576	Tire Assembly Machine, NRM Model 95			
577	Tire Assembly Machine, NRM Model 95			
503	Tire Assembly Machine, Han Kook Model 3255 (#438)	Tire Wash Solvent Orbco Tread Cement Drum Cement Breakdown Solvent	0.47 lbs./hr. (each) 0.30 lbs./ hr. (each) 0.01 lbs./ hr. (each) 0.02 lbs./hr. (each)	N/A
578	Tire Assembly Machine, Han Kook Model 3255 (#437)			
580	Tire Assembly Machine, NRM Model 89 (#25)	Tire Wash Solvent Orbco Tread Cement	0.47 lbs. /hr. (each) 0.12 lbs. / hr. (each)	N/A N/A
581	Tire Assembly Machine, NRM Model 89 (#26)			
587	Tire Assembly System with Extruder, 2 Stripwinders and 1 Spraybooth	Rubber, Carcass, and Inside Spray	4,500 lbs./ hr. rubber and 4.92 gallons (Inside Spray)/ hour	CE-587 Dry filter on the spraybooth
589	Tire Assembly System with Extruder, 2 Stripwinders and 1 Spraybooth	Rubber, Carcass, and Inside Spray	4,500 lbs./ hr. rubber and 4.92 gallons (Inside Spray)/ hour	CE-589 Dry filter on the spraybooth
596	Upstairs Tire Spraybooth	DESCO Acrylic Latex Emulsion	5.63 gallons / hour	CE-596 PAG High Capacity Overspray Media Polyester Multi-layered- Dry Filters

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emissions point shall not exceed the levels specified below.

VOC Emitting Sources:

EU	Opacity	VOC	Authority for Requirement
500	No visible emissions	3.28 TPY (VOC) 0.043 TPY (Hexane)	Polk County Construction Permit 1402
501	No visible emissions	3.28 TPY	Polk County Construction Permit 1404
502	No visible emissions	3.28 TPY	Polk County Construction Permit 1405
503	No visible emissions	4.34 TPY (VOC) 0.043 TPY (Hexane)	Polk County Construction Permit 1406
563	N/A	0.76 lbs./ hr. & 3.34 TPY	Polk County Construction Permit 0854 MODIFIED
564 & 570	No visible emissions	1.503 lbs./ hr. & 6.585 TPY	Polk County Construction Permit 0861
574 - 578	No visible emissions	4.51 lbs./ hr. & 19.755 TPY	Polk County Construction Permit 0894 Revised
511, 568, & 569	No visible emissions	6.31 TPY (each)	Polk County Construction Permit 1418, 1416, & 1415
580 & 581	No visible emissions	1.76 lbs./ hr. & 6.585 TPY	Polk County Construction Permit 1000 MODIFIED

Spraybooths:

EU	Opacity	PM[(1)]	PM_{10}	VOC	HAPs (Combined)	Authority for Requirement
587	No visible emissions	0.01 gr./ scf.	0.137 lbs./hr. 0.598 TPY 0.01 gr./ dscf.	0.787 lbs./hr. 3.447 TPY	0.339 lbs./hr. 1.484 TPY	Polk County Construction Permit 1333 Revised
589	No visible emissions	0.01 gr./ scf.	0.137 lbs./hr. 0.598 TPY 0.01 gr./ dscf.	0.787 lbs./hr. 3.447 TPY	0.339 lbs./hr. 1.484 TPY	Polk County Construction Permit 1322 Revised
596	No visible emissions	0.01 gr./ scf.	0.137 lbs./hr. 0.598 TPY 0.01 gr./ dscf.	0.787 lbs./hr. 3.447 TPY	0.339 lbs./hr. 1.484 TPY	Polk County Construction Permit 1363

[(1)]Authority for Requirement: 567 IAC 23.4(13)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16(m)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

I) Plant wide limit of 150,000,000 pounds of rubber processed in the facility per twelve (12) month rolling period. Twelve month rolling records of rubber processed in the facility shall be maintained on site for five (5) years and be made available to the representatives of Polk County AQD upon request.

II) Plant wide limit of the following amounts and maximum percent constituents of materials processed in the facility per twelve (12) month rolling period. Twelve month rolling records of each material processed in the facility shall be maintained on site for five (5) years and be made available to the representatives of Polk County AQD upon request.

a.) Tread Cement: (91 weight % VOC, 0% HAP): 85,374 lbs./ 12- month period
b.) Tire Wash Solvent: (100% VOC, 0% HAP): 813,527 lbs./ 12- month period
c.) Breakdown Solvent: (100% VOC, 4 weight% Methanol, <1 weight% MIBK): 2,766 lbs./ 12- month period
d.) Drum Cement: (83 volume% VOC, 83 volume % Hexane): 2,080 lbs./ 12- month period

Work practice standards: Routine Periodic Inspection.

Reporting & Record keeping: Records showing the plant-wide rolling twelve month amounts of tire wash solvent, Orbco tread cement, breakdown solvent, and drum cement used and emitted will be recorded in a log book, be maintained on site for five (5) years, and be made available to the representatives of Polk County AQD upon request. The total amounts will be divided proportionally amongst the emission units that utilize each of the materials, for compliance and emission inventory purposes, and will be recorded in a log book, be maintained on site for five (5) years, and be made available to the representatives of Polk County AQD upon request.

Authority for Requirement: Polk County Construction Permit Number 0578 MODIFIED
Polk County Construction Permit Number 0854 MODIFIED
Polk County Construction Permit Number 0861
Polk County Construction Permit Number 0894 Revised
Polk County Construction Permit Number 1000 MODIFIED
Polk County Construction Permit 1332 Revised
Polk County Construction Permit 1333 Revised
Polk County Construction Permit 1363
Polk County Construction Permit 1402
Polk County Construction Permit 1404
Polk County Construction Permit 1405
Polk County Construction Permit 1406
Polk County Construction Permit 1415
Polk County Construction Permit 1416
Polk County Construction Permit 1418
PTE limits were requested by the applicant.
567 IAC 22.108(14)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? [(2)]Yes ☒ No ☐

[(2)] Required for CE-587, CE-589, and CE-596

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 53

Associated Equipment
See Table Below

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
Grandfathered Emission Units:				
528	Tire Assembly Machine, NRM Model 75 (#1)	Tire Wash Solvent Orbco Tread Cement Drum Cement Breakdown Solvent	0.47 lbs./ hr. (ea.) 0.06 lbs./ hr. (ea.) 0.01 lbs./ hr. (ea.) 0.02 lbs./ hr. (ea.)	N/A
529	Tire Assembly Machine, NRM Model 75 (#2)			N/A
530	Tire Assembly Machine, NRM Model 75 (#3)			N/A
531	Tire Assembly Machine, NRM Model 75 (#12)			N/A
532	Tire Assembly Machine, NRM Model 75 (#13)			N/A
533	Tire Assembly Machine, NRM Model 75 (#14)			N/A
559	Tire Assembly Machine, NRM Model 59 (#11)	Tire Wash Solvent Orbco Tread Cement Drum Cement	0.47 lbs./ hr. (ea.) 0.06 lbs./ hr. (ea.) 0.01 lbs./ hr. (ea.)	N/A
561	Tire Assembly Machine, NRM Model 59 (#5)			N/A
562	Tire Assembly Machine, NRM Model 59 (#6)	Tire Wash Solvent Orbco Tread Cement Drum Cement Breakdown Solvent	0.47 lbs./ hr. (ea.) 0.06 lbs./ hr. (ea.) 0.01 lbs./ hr. (ea.) 0.02 lbs./ hr. (ea.)	N/A
571	Tire Assembly Machine, NRM Model 89 (#7)			N/A
572	Tire Assembly Machine, NRM Model 89 (#8)	Tire Wash Solvent Orbco Tread Cement Drum Cement	0.47 lbs./ hr. (ea.) 0.06 lbs./ hr. (ea.) 0.01 lbs./ hr. (ea.)	N/A
Construction Permitted Emission Units:				
584	Tire Assembly Machine, NRM Model 59H (#9)	Tire Wash Solvent Orbco Tread Cement	0.47 lbs./ hr. (ea.) 0.06 lbs./ hr. (ea.)	N/A
585	Tire Assembly Machine, NRM Model 59H (#10)			N/A

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EU	Opacity	VOC	Authority for Requirement
584 585	No visible emissions	1.503 lbs./ hr. & 6.585 TPY	Polk County Construction Permit 0942

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Periodic Inspection.
Authority for Requirement: Polk County Construction Permit 0942

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 54

Associated Equipment
See Table Below

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID & Description
Grandfathered Emission Units:				
534	Tire Assembly Machine, NRM Model 61 (#406)	Tire Wash Solvent Orbco Tread Cement	0.84 lbs./ hr. (each) 0.30 lbs./ hr. (each)	N/A
535	Tire Assembly Machine, NRM Model 61 (#401)			
536	Tire Assembly Machine, NRM Model 61 (#402)			
538	Tire Assembly Machine, NRM Model 61 (#403)			
539	Tire Assembly Machine, NRM Model 40 (#407)			
540	Tire Assembly Machine, NRM Model 61 (#404)			
541	Tire Assembly Machine, NRM Model 61 (#415)			
545	Tire Assembly Machine, NRM Model 61 (#409)			
546	Tire Assembly Machine, NRM Model 61 (#411)			
547	Tire Assembly Machine, NRM Model 61 (#414)			
548	Tire Assembly Machine, NRM Model 61 (#408)			
549	Tire Assembly Machine, NRM Model 61 (#412)			
550	Tire Assembly Machine, NRM Model 61 (#410)			
565	Tire Assembly Machine, NRM Model 61 (#405)			
566A	Tire Assembly Machine, NRM Model 61 (#416)			
573	Tire Assembly Machine, NRM Model 61C (#413)			
Construction Permitted Emission Units:				
537	Tire Assembly Machine, Akron Standard Model 336 (#420)	Tire Wash Solvent Orbco Tread Cement	0.84 lbs./ hr. 0.30 lbs./ hr.	N/A
566	Tire Assembly Machine, NRM Model 610 (#418)	Tire Wash Solvent Orbco Tread Cement	0.84 lbs./ hr. 0.30 lbs./ hr.	N/A
542	Tire Assembly System with Extruder, Stripwinders (2), and Spraybooth (1)	Rubber Inside Spray	4,500 lbs./ hr. 4.92 gallons/ hr.	CE-542 Dry filter on the spraybooth
543	Tire Assembly System with Extruder, Stripwinders (2), and Spraybooths (2)	Rubber Inside Spray	4,500 lbs./ hr. 4.92 gallons/ hr.	CE-543 Dry filter on the spraybooths
552	Tire Assembly System with Extruder, Stripwinders (2), and Spraybooth (1)	Rubber Inside Spray	4,500 lbs./ hr. 4.92 gallons/ hr.	CE-552 Dry filter on the spraybooth

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

EU	Opacity	PM[(1)]	PM_{10}	VOC	HAPs (Combined)	Authority for Requirement
537	No visible emissions	N/A	N/A	6.31 TPY	N/A	Polk County Construction Permit 1417
566	No visible emissions	N/A	N/A	6.31 TPY	N/A	Polk County Construction Permit 1414
542	No visible emissions	0.01 gr./ scf.	0.137 lbs./hr. 0.598 TPY 0.01 gr./ dscf.	0.787 lbs./hr. 3.447 TPY	0.339 lbs./hr. 1.484 TPY	Polk County Construction Permit 1330 Revised
543	No visible emissions	0.01 gr./ scf.	0.274 lbs./hr. 1.20 TPY 0.01 gr./ dscf.	1.097 lbs./hr. 4.805 TPY	0.339 lbs./hr. 1.484 TPY	Polk County Construction Permit 1329 Revised
552	No visible emissions	0.01 gr./ scf.	0.137 lbs./hr. 0.598 TPY 0.01 gr./ dscf.	0.787 lbs./hr. 3.447 TPY	0.339 lbs./hr. 1.484 TPY	Polk County Construction Permit 1331 Revised

[(1)]Authority for Requirement: 567 IAC 23.4(13)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16(m)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

I) Plant wide limit of 150,000,000 pounds of rubber processed in the facility per twelve (12) month rolling period. Twelve month rolling records of rubber processed in the facility shall be maintained on site for five (5) years and be made available to the representatives of Polk County AQD upon request.

II) Plant wide limit of the following amounts and maximum percent constituents of materials processed in the facility per twelve (12) month rolling period. Twelve month rolling records of each material processed in the facility shall be maintained on site for five (5) years and be made available to the representatives of Polk County AQD upon request.

a.) Tread Cement: (91 weight % VOC, 0% HAP): 85,374 lbs./ 12- month period
b.) Tire Wash Solvent: (100% VOC, 0% HAP): 813,527 lbs./ 12- month period
c.) Breakdown Solvent: (100% VOC, 4 weight% Methanol, <1 weight% MIBK): 2,766 lbs./ 12- month period
d.) Drum Cement: (83 volume% VOC, 83 volume % Hexane): 2,080 lbs./ 12- month period

Work practice standards: Routine Periodic Inspection.
Reporting & Record keeping: Records showing the plant-wide rolling twelve month amounts of tire wash solvent, Orbco tread cement, breakdown solvent, and drum cement used and emitted will be recorded in a log book, be maintained on site for five (5) years, and be made available to the representatives of Polk County AQD upon request. The total amounts will be divided proportionally amongst the emission units that utilize each of the materials, for compliance and emission inventory purposes, and will be recorded in a log book, be maintained on site for five (5) years, and be made available to the representatives of Polk County AQD upon request.
Authority for Requirement: Polk County Construction Permit Number 0578 MODIFIED
Polk County Construction Permit 1329 Revised
Polk County Construction Permit 1330 Revised
Polk County Construction Permit 1331 Revised
Polk County Construction Permit 1414
Polk County Construction Permit 1417
PTE limits were requested by the applicant.
567 IAC 22.108(14)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? [(2)]Yes ☒ No ☐
[(2)] Required for CE-542, CE-543, and CE-552

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 55 (Vents Internally)

Applicable Requirements

Emission Unit vented through this Emission Point: 126
Emission Unit Description: Rubber Pellet Storage (Stock)
Raw Material/Fuel: Rubber Pellets
Rated Capacity: 108.44 lbs./ hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive Dust
Emission Limit: It shall be unlawful for any person handling, loading, unloading, reloading, storing, transferring, transporting, placing, depositing, throwing, discarding, or scattering any ashes, fly ash, cinders, slag or dust collected from any combination process, any dust, dirt, chaff, wastepaper, trash, rubbish, waste or refuse matter of any kind, or any other substance or material whatever, which is likely to be scattered by the wind, or is susceptible to being wind-borne, to do so without taking reasonable precautions or measures to prevent particulate matter from becoming airborne so as to minimize atmospheric pollution.
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-24

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 56

Associated Equipment

Associated Emission Unit ID Numbers: 401, 402, 403, 404, and 407

Applicable Requirements

EU	EU Description	Raw Material	Rated Capacity	Control ID
401	Royle 2 Bead Former 1	Rubber	59.15 lbs./ hr.	N/A
402	NRM Bead Former 5	Rubber	147.89 lbs./ hr.	N/A
403	Royle 2 Bead Former 6	Rubber	88.74 lbs./ hr.	N/A
404	Solvent Wash of Bead Filler	Heptane	0.91 lbs./ hr.	N/A
407	Bead Former #7, NRM 2 ½ Rubber Extruder 22.1 L/D	Rubber	147.89 lbs./ hr.	N/A

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No applicable emission limits at this time. (EU 401 – 404)

Pollutant: Opacity (EU 407)
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit Number 1403

Pollutant: VOC (EU 407)
Emission Limits: 0.016 lbs./ hr. and 0.07 TPY
Authority for Requirement: Polk County Construction Permit Number 1403

Pollutant: HAPs (Combined) (EU 407)
Emission Limits: 0.011 lbs/hr. and 0.05 TPY
Authority for Requirement: Polk County Construction Permit 1403

Operational Limits & Requirements (EU 1403)
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: This unit is subject to the limits of 150,000,000 lbs/ 12 month period rolled monthly of rubber through the plant.
Work practice standards: Routine Periodic Inspection.
Reporting & Record keeping: Record keeping of these materials shall be logged and submitted to representative of this department (Polk County AQD) as required by the Title V Operating Permit. This log shall be made available to representatives of this department upon request.
Authority for Requirement: Polk County Construction Permit Number 0578 MODIFIED
Polk County Construction Permit Number 1403

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 57

Applicable Requirements

Emission Unit vented through this Emission Point: 818
Emission Unit Description: #5 Boiler – Superior Boiler Works Model #MS5-5-353
Raw Material/Fuel: Natural Gas
Rated Capacity: 2.51 MM BTU/ Hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: 20%
Authority for Requirement: Polk County Construction Permit Number 1387

Pollutant: PM_{10}
Emission Limits: 0.019 lbs./ hr. and
0.082 TPY
Authority for Requirement: Polk County Construction Permit Number 1387

Pollutant: PM
Emission Limit: 0.10 gr./scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: SO_2
Emission Limits: 0.002 lbs./ hr.,
0.007 TPY, and
500 parts per million by volume
Authority for Requirement: Polk County Construction Permit Number 1387
567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27

Pollutant: NO_x
Emission Limits: 0.246 lbs./ hr. and
1.08 TPY
Authority for Requirement: Polk County Construction Permit Number 1387

Pollutant: VOC
Emission Limits: 0.014 lbs./ hr. and
0.06 TPY
Authority for Requirement: Polk County Construction Permit Number 1387

Pollutant: CO
Emission Limits: 0.207 lbs./ hr. and
0.906 TPY
Authority for Requirement: Polk County Construction Permit Number 1387

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Periodic Inspection
Authority for Requirement: Polk County Construction Permit Number 1387

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 59

Applicable Requirements

Emission Unit vented through this Emission Point: 819
Emission Unit Description: #6 Boiler – Superior Boiler Works Model #MS5-5-353
Raw Material/Fuel: Natural Gas
Rated Capacity: 2.51 MM BTU/ Hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: 20%
Authority for Requirement: Polk County Construction Permit Number 1388

Pollutant: PM_{10}
Emission Limits: 0.019 lbs./ hr. and
0.082 TPY
Authority for Requirement: Polk County Construction Permit Number 1388

Pollutant: PM
Emission Limit: 0.10 gr./scf
Authority for Requirement: 567 IAC 23.3(2)"a"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Pollutant: SO_2
Emission Limits: 0.002 lbs./ hr.,
0.007 TPY, and
500 parts per million by volume
Authority for Requirement: Polk County Construction Permit Number 1388
567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27

Pollutant: NO_x
Emission Limits: 0.246 lbs./ hr. and
1.08 TPY
Authority for Requirement: Polk County Construction Permit Number 1388

Pollutant: VOC
Emission Limits: 0.014 lbs./ hr. and
0.06 TPY
Authority for Requirement: Polk County Construction Permit Number 1388

Pollutant: CO
Emission Limits: 0.207 lbs./ hr. and
0.906 TPY
Authority for Requirement: Polk County Construction Permit Number 1388

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Periodic Inspection
Authority for Requirement: Polk County Construction Permit Number 1388

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 61

Applicable Requirements

Emission Unit vented through this Emission Point: 904
Emission Unit Description: Fixed Roof Heptol Storage Tank
Raw Material/Fuel: Heptol (Heptane) solvent
Rated Capacity: 30,000 Gallon

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit Number 1421

Pollutant: VOC
Emission Limit: 0.211 TPY
Authority for Requirement: Polk County Construction Permit 1421
40 CFR 60.110b Subpart Kb
567 IAC 23.1 (2) "ddd"
Polk County Board of Health Rules and Regulations, Chapter V, Article VI, Section 5-16 (n) (56)

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: Storage tank EU 904 shall be limited to 137,316 gallons of throughput per 12 month period rolled monthly.
Work practice standards: Routine Periodic Inspection.

Reporting & Record keeping: The owner or operator shall comply with all applicable conditions of 40 CFR Part 60 subpart Kb.

The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Said records shall be kept for the life of the source (per §40.116b(b)).

Records of throughput shall be maintained on site for a period of two years and shall be made available to representatives of this agency (Polk County AQD) upon request.

Authority for Requirement: Polk County Construction Permit 1421
40 CFR 60.110b Subpart Kb
567 IAC 23.1 (2) "ddd"
Polk County Board of Health Rules and Regulations, Chapter V, Article VI, Section 5-16 (n) (56)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 62

Applicable Requirements

Emission Unit vented through this Emission Point: 908
Emission Unit Description: Fixed Roof Dustene Storage Tank
Raw Material/Fuel: Dustene solvent
Rated Capacity: 15,000 Gallon

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit Number 1420

Pollutant: VOC
Emission Limit: 0.01 TPY
Authority for Requirement: Polk County Construction Permit 1420
40 CFR 60.110b Subpart Kb
567 IAC 23.1 (2) "ddd"
Polk County Board of Health Rules and Regulations, Chapter V, Article VI, Section 5-16 (n) (56)

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: Storage tank EU 908 shall be limited to 213,235 gallons of throughput per 12 month period rolled monthly.
Work practice standards: Routine Periodic Inspection.

Reporting & Record keeping: The owner or operator shall comply with all applicable conditions of 40 CFR Part 60 subpart Kb.

The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Said records shall be kept for the life of the source (per §40.116b(b)).

Records of throughput shall be maintained on site for a period of two years and shall be made available to representatives of this agency (Polk County AQD) upon request.

Authority for Requirement: Polk County Construction Permit 1420
40 CFR 60.110b Subpart Kb
567 IAC 23.1 (2) "ddd"
Polk County Board of Health Rules and Regulations, Chapter V, Article VI, Section 5-16 (n) (56)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 63

Applicable Requirements

Emission Unit vented through this Emission Point: 907
Emission Unit Description: Fixed Roof Hardite Storage Tank
Raw Material/Fuel: Hardite solvent
Rated Capacity: 15,000 Gallon

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: No Visible Emissions
Authority for Requirement: Polk County Construction Permit Number 1422

Pollutant: VOC
Emission Limit: 0.03 TPY
Authority for Requirement: Polk County Construction Permit 1422
40 CFR 60.110b Subpart Kb
567 IAC 23.1 (2) "ddd"
Polk County Board of Health Rules and Regulations, Chapter V, Article VI, Section 5-16 (n) (56)

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: Storage tank EU 907 shall be limited to 131,368 gallons of throughput per 12 month period rolled monthly.
Work practice standards: Routine Periodic Inspection.

Reporting & Record keeping: The owner or operator shall comply with all applicable conditions of 40 CFR Part 60 subpart Kb.

The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Said records shall be kept for the life of the source (per §40.116b(b)).

Records of throughput shall be maintained on site for a period of two years and shall be made available to representatives of this agency (Polk County AQD) upon request.

Authority for Requirement: Polk County Construction Permit 1422
40 CFR 60.110b Subpart Kb
567 IAC 23.1 (2) "ddd"
Polk County Board of Health Rules and Regulations, Chapter V, Article VI, Section 5-16 (n) (56)

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22 and Polk County Board Of Health Rules And Regulations, Chapter V, Air Pollution, (Chapter V), Article X, 5-35.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3).*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and must be incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

G2. Permit Expiration

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, four or more copies of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)"e"*

G4. Annual Compliance Certification
By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and Polk County Air Quality Division. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report
By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and Polk County Air Quality Division. *567 IAC 22.108 (5).*

G6. Annual Fee
1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the Department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
a. Form 1.0 "Facility Identification";
b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
c. Form 5.0 "Title V annual emissions summary/fee"; and
d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
a. Form 1.0 "Facility Identification";
b. Form 5.0 "Title V annual emissions summary/fee";
c. Part 3 "Application certification."

5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges
Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:
1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"* and *Chapter V, Article II, 5-3 and 5-4*

G8. Duty to Provide Information
The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"* and *Chapter V, Article X, 5-46 and 5-47*

G9. General Maintenance and Repair Duties
The owner or operator of any air emission source or control equipment shall:
1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1) and Chapter V, Article VI, Section 5-17.1*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:

a. The date, place and time of sampling or measurements

b. The date the analyses were performed.

c. The company or entity that performed the analyses.

d. The analytical techniques or methods used.

e. The results of such analyses; and

f. The operating conditions as existing at the time of sampling or measurement.

g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

a. Comply with all terms and conditions of this permit specific to each alternative scenario.

b. Maintain a log at the permitted facility of the scenario under which it is operating.

c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred
at a source:

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;

b. Compliance test methods specified in 567 Chapter 25; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

a. Any monitoring or testing methods provided in these rules; or

b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the Department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting
a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:
i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
ii. The estimated quantity of the excess emission.
iii. The time and expected duration of the excess emission.
iv. The cause of the excess emission.
v. The steps being taken to remedy the excess emission.
vi. The steps being taken to limit the excess emission in the interim period.
b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:
i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
ii. The estimated quantity of the excess emission.
iii. The time and duration of the excess emission.
iv. The cause of the excess emission.
v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
vi. The steps that were taken to limit the excess emission.
vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)* and *Chapter V, Article VI, 5-17*
3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:
a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
b. The facility at the time was being properly operated;
c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and

d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)* This notification must be made to Polk County Air Quality Division, in lieu of the Department, upon adoption of the NSPS or NESHAP into Chapter V.

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.

b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);

c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);

d. The changes are not subject to any requirement under Title IV of the Act.

e. The changes comply with all applicable requirements.

f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which will be attached to the permit by the source, the department and the administrator:

i. A brief description of the change within the permitted facility,

ii. The date on which the change will occur,

iii. Any change in emission as a result of that change,

iv. The pollutants emitted subject to the emissions trade

v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(1)*
2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110.(2)*
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110.(3)*
4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110.(4)*
5. Aggregate Insignificant Emissions. The permittee shall not construct, establish or operate any new insignificant activities or modify any existing insignificant activities in such a way that the emissions from these activities no longer meet the criteria of aggregate insignificant emissions. If the aggregate insignificant emissions are expected to be exceeded, the permittee shall submit the appropriate permit modification and receive approval prior to making any change. *567 IAC 22.103.(2)*
6. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108 (11)*

G18. Duty to Modify a Title V Permit
1. Administrative Amendment.
a. An administrative permit amendment is a permit revision that is required to do any of the following:
i. Correct typographical errors
ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
iii. Require more frequent monitoring or reporting by the permittee; or
iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of

the Act.

2. Minor Permit Modification.
a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:
i. Do not violate any applicable requirements
ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.
iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.
iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;
v. Are not modifications under any provision of Title I of the Act; and
vi. Are not required to be processed as significant modification.
b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.
ii. The permittee's suggested draft permit
iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and
iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).
c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.
3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. *567 IAC 22.111-567 IAC 22.113* The permittee shall submit an application for a significant permit

modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.105(1)"a"(4)*

G19. Duty to Obtain Construction Permits
Unless exempted under 567 IAC 22.1(2) and Chapter V, Article X, 5-33, the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8 & Polk County Chapter V, Article X, 5-28, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *567 IAC 22.1(1)* and *Chapter V, Article X, 5-28*

G20. Asbestos
The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. *567 IAC 23.1(3)"a", and 567 IAC 23.2*

G21. Open Burning
The permittee is prohibited from conducting open burning, except as may be allowed by *Chapter V, Article III, 5-7*

G22. Acid Rain (Title IV) Emissions Allowances
The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated thereunder. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners or operators of the unit or the designated representative of the owners or operators is prohibited. Exceedences of applicable emission rates are prohibited. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements
1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings
1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:
a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination;
b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G25. Permit Shield
Compliance with the conditions of this permit shall be deemed compliance with the applicable requirements included in this permit, as of the date of permit issuance.
This permit shield shall not alter or affect the following:
1. The provisions of section 303 of the Act (emergency orders), including the authority of the administrator under that section;
2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
3. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
4. The ability of the department or the administrator to obtain information from the facility pursuant to section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability
The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this Department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)* and *Chapter V, Article XVII, 5-77*

G27. Property Rights
The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G28. Transferability
This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

G29. Disclaimer
No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification
The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.
Stack test notifications, reports and correspondence shall be sent to:
Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-6001
Within Polk County, stack test notifications, reports, correspondence, and the appropriate fee shall also be directed to the supervisor of the county air pollution program.
567 IAC 25.1(7)"a", 567 IAC 25.1(9) and *Chapter V, Article VII, 5-18 and 5-19*

G31. Prevention of Air Pollution Emergency Episodes
The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. *567 IAC 26.1(1)*

G32. Contacts List
The current address and phone number for reports and notifications to the EPA administrator is:
Chief of Air Permits
EPA Region 7
Air Permits and Compliance Branch
901 North 5th Street
Kansas City, KS 66101
(913) 551-7020

The current address and phone number for reports and notifications to the Department or the Director is:
Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-5100

Reports or notifications to the local program shall be directed to the supervisor at the appropriate local program. Current address and phone number is:

Polk County Public Health Department
Air Quality Division
5885 NE 14th Street
Des Moines, IA 50313-1296
(515) 286-3351